

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 6.92 8

Readme

2024年11月

1. はじめに

このたびは、日立アドバンスサーバ HA8000V シリーズをご利用いただき誠にありがとうございます。
ご使用になる前に、必ず本内容をご確認ください。

1.1 他社所有名称に対する表示

HITACHI は、株式会社 日立製作所の商標または登録商標です。

Microsoft, Windows, Windows Server は、米国 Microsoft Corporation の米国およびその他の国における商標または登録商標です。

Intel、インテル、Xeon は、アメリカ合衆国およびその他の国における Intel Corporation の商標です。

Linux は、Linus Torvalds 氏の日本およびその他の国における登録商標または商標です。

Red Hat は、米国およびその他の国で Red Hat, Inc. の登録商標もしくは商標です。

iLO は、Hewlett Packard Enterprise Development LP の商標です。

VMware は、米国およびその他の地域における Broadcom Inc. の登録商標または商標です。

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QLogic は、Marvell Technology Group Ltd. およびその関連会社の米国およびその他の国における登録商標または商標です。

1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れまるとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for HA8000V 並びに本書の全部又は一部を単独で又は他の情報等と組み合わせ、直接又は間接に以下に該当する取扱いをする場合、「外国為替及び外交貿易」の規制及び米国輸出管理規制等外国の輸出関連法規を確認し、適正な手続きを行う必要があります。
 - 輸出するとき。
 - 海外へ持ち出すとき。
 - 非居住者へ提供し、又は使用させるとき。
 - 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。
- (7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも合わせてご参照ください。マニュアルは『[ドキュメントポータル](#)』の「マニュアル > サーバ」-「HA8000V シリーズ」より参照いただけます。

本ファイルに含まれている、いかなるファイルの内容の全部またはその一部を、無断で掲載またはコピーすることを固く禁じます。

1.3 変更履歴

発行日	変更内容
2024年11月	初版

2. Service Pack for HA8000V (SPH)について

Service Pack for HA8000V(以降 SPH と呼びます)は、1 台または複数台の HA8000V サーバのファームウェア/システムソフトウェアの更新を簡素化するソリューションです。

SPH には、サーバ/コントローラ/ストレージのファームウェア/ドライバ/ユーティリティパッケージが含まれます。また、SPH に収録されている Smart Update Manager(以降 SUM と呼びます)は、更新されたファームウェアおよびシステムソフトウェアをデプロイする推奨ツールです。

SPH/SUM を使うことで、ファームウェアおよびシステムソフトウェアのオンラインアップデートが可能となります。アップデート操作を SUM に統合することにより、個々の HA8000V サーバのアップデートが迅速になり、システム全体のアップデート時間を短縮することができます。

SPH は定期的にリリースされます。最新版の SPH を使用して更新することを推奨します。

3. 適用機種及びOS

SPH のバージョン及び適用機種/適用 OS の組み合わせについては、「[Service Pack for HA8000V 補足資料 \(Readme\)](#)」の『サポートモデル/OS 一覧』を参照ください。

3.1 適用機種

- HA8000V/DL20 Gen10 (U43)
- HA8000V/DL20 Gen10 Plus (U60)
- HA8000V/DL360 Gen10 (U32)
- HA8000V/DL360 Gen10 Plus (U46)
- HA8000V/DL380 Gen10 (U30)
- HA8000V/DL380 Gen10 Plus (U46)
- HA8000V/DL580 Gen10 (U34)
- HA8000V/ML30 Gen10 (U44)
- HA8000V/ML30 Gen10 Plus (U61)
- HA8000V/ML350 Gen10 (U41)

3.2 適用 OS

- Microsoft® Windows Server® 2022
- Microsoft® Windows Server® 2019
- Red Hat® Enterprise Linux® Server 9.3
- Red Hat® Enterprise Linux® Server 9.2
- Red Hat® Enterprise Linux® Server 8.9
- Red Hat® Enterprise Linux® Server 8.8
- VMware ESXi™ 8.0
- VMware ESXi™ 7.0

4. 変更内容

本章では、今回のリリースの変更内容を記載しています。

4.1 新規サポート内容

(1) 追加サポート機種及びOS

- 追加サポート機種

なし

- 追加サポートOS

- Red Hat® Enterprise Linux® Server 9.3

- Red Hat® Enterprise Linux® Server 8.9

(2) 追加サポートデバイス

なし

(3) サポート除外機種及びOS

- サポート除外機種

なし

- サポート除外OS

- なし

4.2 更新内容

『6.3 パッケージの変更内容』を参照ください。

5. 注意事項

本章では、SPH をご使用になる上で、注意頂く内容を記載しています。

5.1 ドライバ・ユーティリティなどの適用について

最新のドライバ・ファームウェア・ユーティリティなどを、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」で提供しております。

各アップデートプログラムの適用についてはお客様責任にて実施していただきますが、システム装置を安定してご使用いただくためにも、ホームページの[サポート]-[ダウンロード] に定期的にアクセスして、最新のドライバ・ファームウェア・ユーティリティへ更新していただくことをお勧めします。

5.2 OS の新規・再セットアップの場合の注意事項

OS の新規・再セットアップの際、初回の SPH 適用では、ファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのインストールを先に実施してください。これにより、デバイスの検出及びファームウェアの書き込みに適切なドライバ/ユーティリティがインストールされます。ドライバ/ユーティリティのインストール後は、OS を再起動し、再度 SUM を実行してファームウェアの更新を行ってください。

SUM でファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのみのインストールを指定するには、次の手順により行います。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面右上の[アクション(Actions)]-[アドバンスドオプション(Advanced Options)]から「アドバンスドオプション(Advanced Options)」画面を開き、「インストールオプション(Installation Options) “の項目で“ソフトウェアのアップグレード (Upgrade Software) “を選択し、“OK”ボタンを押してください。

CLI の場合：

"--softwareonly"パラメータを使用してください。

例) # ./smartupdate --s --softwareonly

5.3 SUM によるアップデート時の注意事項

(1) ファームウェア/ドライバの依存関係について

アップデート対象のファームウェア/ドライバには依存関係を持つ場合があります。一度の SUM の実行では全て更新できない場合があります。このため、SUM アップデート後、全ての更新対象がアップデートされているかを確認してください。もし、アップデートされていないパッケージがある場合、再度 SUM を実行してください。全てアップデートされたかは、次の手順により確認できます。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面にて、「推奨されたコンポーネント」数表示が、“0”となっていることを確認してください。

CLI の場合：

"--report"パラメータを使用してレポート作成し、作成されたレポートを参照してください。レポート出力先は画面に表示されます。レポートを参照し、“Install Needed”の項目が、“0”となっていることを確認してください。

例) # ./smartupdate --report

(2) 適用バージョンについて

SUM を使用して更新作業を行う場合、適用対象として自動選択されるものは、新規にインストールされるもの、および SPH 収録バージョンが適用済みバージョンより新しいものとなります。

ネットワークアダプタ及びファイバーチャネルホストバスアダプタは、SPH 収録のドライバ/ファームウェアの組み合わせでご使用いただくことを推奨しています。適用済みバージョンが SPH 収録済みバージョンより新しい場合、該当コンポーネントが適用対象として自動選択されません。その場合、以下の手順で対象コンポーネントを手動で選択し、適用してください。

【手動適用方法】

SUM を起動し、「展開サマリー(Deployment summary)」画面で、「コンポーネントの選択状態」が「選択」表示(※)となっているコンポーネントを確認し、ネットワークアダプタファームウェアまたは、ファイバーチャネルホストバスアダプタのファームウェアの場合は、当該コンポーネントを選択(※)して、“展開

(Deploy) ボタンを押してください。

※：コンポーネントが選択されると、「コンポーネントの選択状態」が、「選択済み」もしくは「強制」と表示されます。

【注意】

デバイスによっては、適用バージョンに関して、個別にアドバイザリが発行されている場合があります。本ファームウェアの適用に当たっては、アドバイザリを参照してください。

(3) SUM の展開モードに関する補足説明

SUM にはいくつかのアップデート方法(展開モード)があります。展開モードにより、対象 OS/更新対象および利用形態が異なりますので、以下の表を参照の上、展開モードを決定してください。

SUM 展開モード		展開対象 OS(※1)			更新対象		iso イメージの利用形態	
		Windows	RHEL	VMware	ファームウェア	ソフトウェア (ドライバ, ユーティリティ等)	ファイル(※4)	媒体書き込み(※5)
オンライン	ローカル	○	○	—	○	○	○	○
	リモート(※2) (OS を介した アップデート)	○	○	—	○	○	○	○
	リモート(※3) (iLO レポジトリ アップデート)	○	○	○	○	○	○	○
オフライン		○	○	○	○	—	—	○

※1：ゲスト OS は対象外。

※2：対象ノードにホスト OS の IP アドレスを指定した場合。

※3：対象ノードに iLO アドレスを指定した場合。対象ノードのホスト OS に iSUT 及び AMS のインストール・設定が必要

※4：ダウンロードまたはコピーした、ストレージデバイス上の iso イメージファイル。

※5：iso イメージを書き込んだ、DVD/USB 等のブータブルメディア。

(4) SUM GUI での適用パッケージの選択について

SUM GUI を使用している場合、インベントリが完了すると展開(Deploy)するパッケージの確認画面が表示されます。

確認画面では、選択した SPH/ベースラインに含まれる更新パッケージのうち、対象装置に適用可能なパッケージが表示され、適用が推奨される(現在のバージョンより新しい)パッケージが展開対象として自動的に選択されます。(選択されたパッケージは、行背景が反転し「選択済み」(選択済み))または「Selected」(Selected)ボタン表示となります。ボタンをクリックすると、選択が解除され「選択」(選択)「Select」

()ボタン表示となります。)

自動選択されなかったパッケージは、「強制」()または「Force」()ボタンをクリックすることで強制的に適用対象とすることができます。(強制適用を選択した場合、行背景が反転し「強制」()「Forced」()ボタンで表示されます。)

【注意】

ファームウェア/ドライバ/ユーティリティは、別途ご案内のない限り、最新のものをご使用いただくことを推奨しています。特に、強制適用を選択した場合、選択したバージョンが古いとダウングレードとなりますので、意図せずダウングレードしてしまうことが無いよう、操作には注意してください。

(5) Linux 環境における適用パッケージのOSライブラリ依存について

Linux 環境で利用するパッケージには、特定の OS ライブラリを前提とするものがあります。そのパッケージを適用する際、前提とする OS ライブラリが事前にインストールされていない場合、インベントリ完了後、または展開(Deploy)完了後に依存関係エラーとなります。

エラーが発生する場合、以降記述の各エラー表示例をご参照頂き、依存ファイルとして表示されるファイル/ライブラリをインストール後、再度 SPH を適用して下さい。

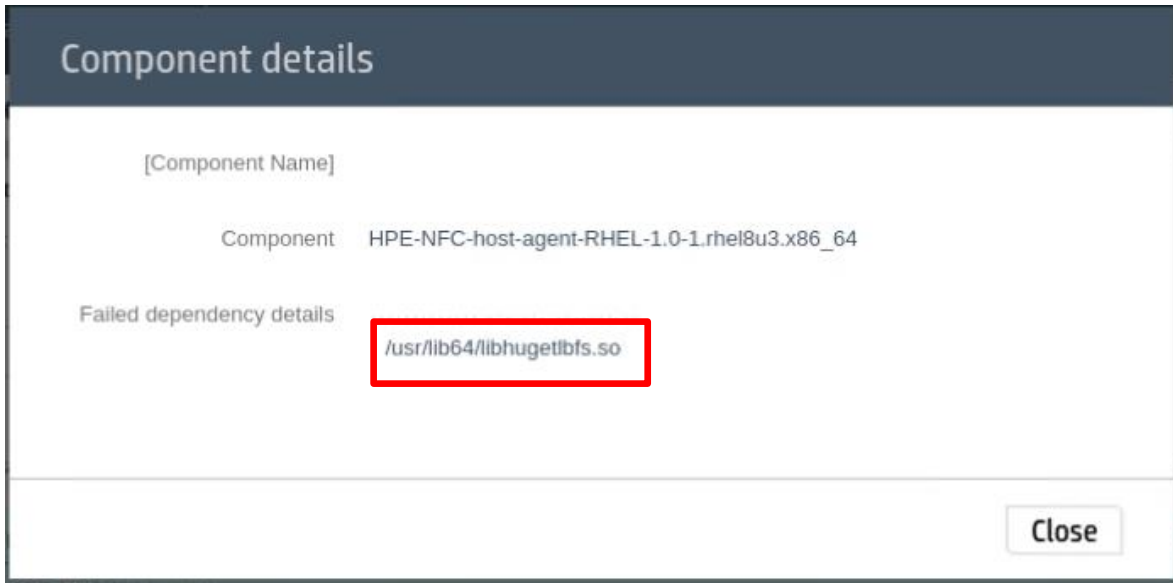
なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【インベントリ完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。

<input checked="" type="checkbox"/>	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8 (HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64)	<input checked="" type="checkbox"/>	Software	Recommended	1.0-1.rhel8u3	No
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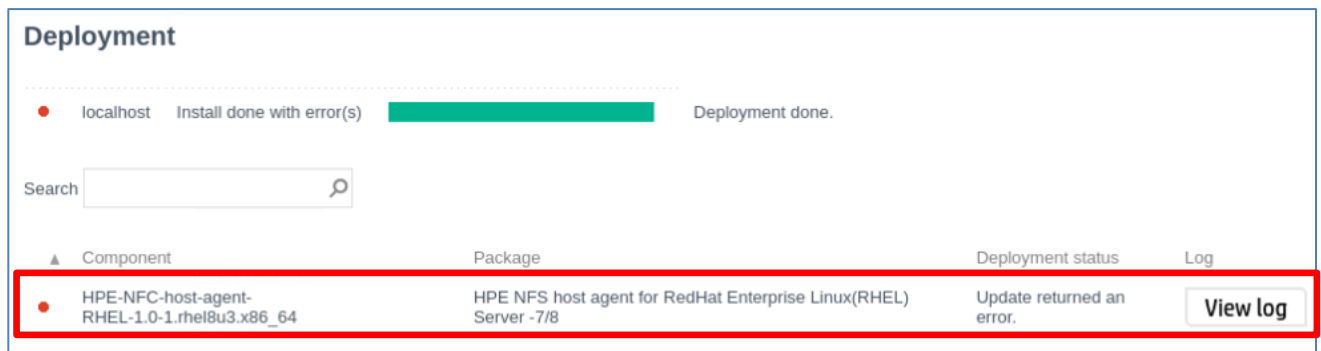
上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、“Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



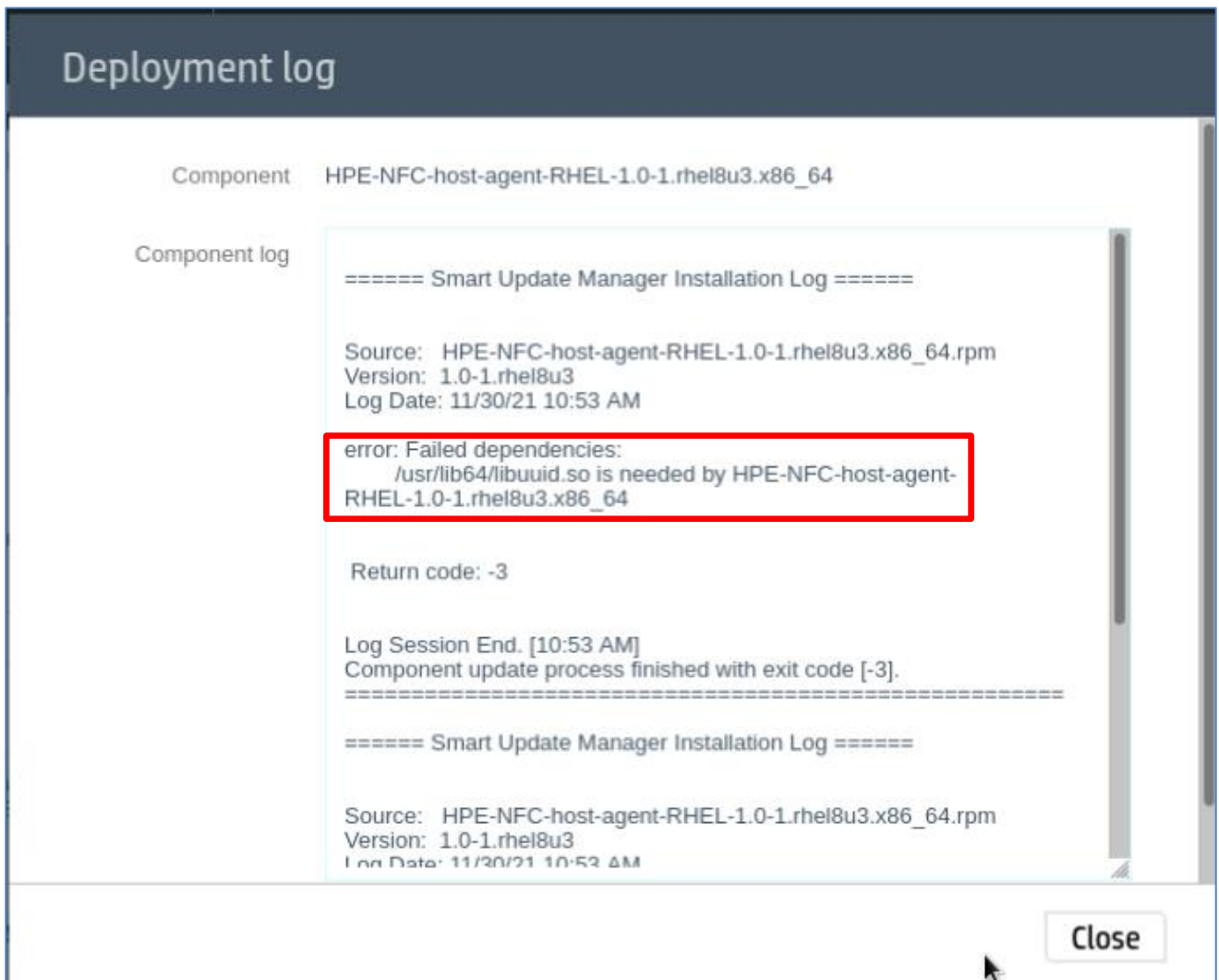
上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

【展開(Deploy)完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



上記赤枠内の“View log”をクリックすると次のダイアログが表示され、“error: Failed dependencies:”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



上記の例では、インストールが必要となるファイル/ライブラリとして、“libuuid.so”を示しています。

(6) iLO レポジトリを利用したアップデートについて

コンポーネントの形式によって、iLO レポジトリを使用した iLO 経由でコンポーネントが展開(Deploy)されます。iLO レポジトリにアップロードされたコンポーネントは、インストールキューに追加され順次展開されていきます。

この時、キューに追加された途中のコンポーネントで展開エラーが発生した場合、以降のコンポーネントは展開保留状態となります。その状態のコンポーネントがキューに存在すると、以降 iLO レポジトリを利用したアップデートができません。

次に示すエラー状態を参照の上、上記状態と判断できる場合は、インストールキューに残っているコンポーネントをすべて削除し、再度 SPH を適用してください。

【エラーが発生した場合のインストールキューの状態】

iLO WEB インタフェースの[ファームウェア & OS ソフトウェア]>[インストールキュー]ページを参照しま

す。

ファームウェアアップデート
直近のファームウェアのアップデートまたはアップロードする試みは成功しませんでした。有効な署名付きフラッシュファイルを使用していることを確認して、もう一度試してください。コンポーネントをインストールする場合は、まずそれをiLOレポジトリにアップロードしてから、それをインストールキューに追加してください。

ファームウェア & OSソフト... - インストールキ...

ファームウェア ソフトウェア メンテナンスウィンドウ iLOレポジトリ インストールセット

インストールキュー

iLO日付/時刻(UTC): 2021-12-01 13:09

状態	名前	開始	失効		
完了	Broadcom NetXtreme-E adapters 218.0.166.0	N/A	なし		
完了	HPE SR932i-p and SR416i-a Gen10 Plus Controllers 03.01.04.072	N/A	なし		
完了	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-po...	N/A	なし		
例外	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-...	N/A	なし		
保留	Mellanox Firmware Package(FWPKG) for HPE Ethernet 100Gb 1-po...	前のタスクの実行後	なし		

すべて削除

ファームウェアのアップデート

iLOレポジトリにアップロード

キューに追加

「例外」及び「保留」状態となっているパッケージが表示されている場合、「全て削除」ボタンをクリックして、キューに登録されたコンポーネントを削除してください。

(7) SUM 実行でのインベントリ失敗時の対応について

SUM は、アップデートに必要なデバイスならびにソフトウェア等の情報を iLO 経由で取得します。iLO の状態により、まれに情報取得できないことがあり、以下に示すようにインベントリに失敗します。

【インベントリ失敗時の表示例】

手順 1 インベントリ **手順 2** レジュー **手順 3** 展開

ベースラインおよびノードのインベントリ

▼ ベースラインのインベントリ

■ Service Pack for HA8000V ベースラインが正常に追加されました コンポーネント合計 332

▼ ローカルホストのインベントリ

● localhost ノードインベントリが失敗 **現在操作を実行できません。理由: iLOからRISデータをフェッチ中**

次へ **中止** **最初からやり直す** **再起動**

SUM を再実行しても本エラーが解消されない場合は、下記のいずれかの手順を実施してください。

- (1) iLO の再起動（リセット）を実施してください。詳細は『iLO 5 x.xx ユーザーガイド』（※）の「iLO の再起動（リセット）」を参照してください。『iLO 5 x.xx ユーザーガイド』は、「[日立アドバンスドサーバー HA8000V シリーズ ホームページ](#)」に掲載されている「製品マニュアル」よりダウンロードしてください。
- (2) オンラインアップデート(OS 稼働中のアップデート)の場合、装置の再起動を実施してください。
- (3) 装置の給電を停止(電源ケーブルの抜去や UPS の出力停止等)後、10 秒待った後に給電を再開してください。

※x.xx の部分にはバージョンが入ります。

(8) DVD 容量を超えた SPH 媒体の作成について

ファイルサイズが 7.9GB を超える SPH iso イメージは、DVD Dual-Layer(2 層)メディアに入りきらず、SUM オフライン展開モードで必要となるブータブルメディアを作成することができません。

この対処として、SPH に収録している USB Key Utility(Windows アプリ)を使用して、ブート可能な USB フラッシュドライブ(USB キー)を作成することができます。以下、USB キーの作成方法を示します。

【USB Key Utility 使用上の注意】

- 32 ビットオペレーティングシステムではご利用になれません。
- 最大 32GB の USB フラッシュドライブが利用可能です。
- iso イメージサイズより大きいストレージ容量を備える USB フラッシュドライブが必要です。
- ターゲット USB フラッシュドライブ上のすべてのデータが削除されます。データを事前にバックアップしてください。

【USB キー作成手順】

- (1) Windows PC で SPH iso イメージをマウントし、"<マウントドライブ>:\usbkey"フォルダに格納された"usbkey.exe"をダブルクリックします。
- (2) USB Key Utility のスプラッシュ画面(起動画面)が表示されたら、「次へ」をクリックします。
- (3) 「エンドユーザー使用許諾契約書」を確認したら、『同意する』をチェックし「次へ」をクリックします。
- (4) 『CD/DVD から起動可能な USB キーを作成』をチェックし、「次へ」をクリックします。
- (5) 画面表示に従って、ご利用 PC の空いている USB ポートに、USB キー作成用の USB フラッシュドライブを挿入して、「次へ」をクリックします。
- (6) 下記の通りメディアを選択し、「次へ」をクリックします。
 - 「ソース CD/DVD の選択」で、『ISO ファイルのブラウズ』をチェックし、USB フラッシュドライブへ書き込む SPH iso イメージファイルを指定します。
 - 「ターゲット USB キーのドライブ文字の選択」で、挿入した USB フラッシュドライブを選択します。(対象のドライブが見つからない場合は、「ターゲット再スキャン」をクリックしてください。再スキャンしても表示されない場合は、別の USB フラッシュドライブを挿入してください。)

- (7) 警告メッセージを確認し「次へ」をクリックします。(USB フラッシュドライブがフォーマットされ、ソースの内容が USB フラッシュドライブにコピーされます。)
- (8) 正常に作成されたメッセージが表示されたら、「完了」をクリックします。

5.4 SUMでのランゲージパックバージョン表示と適用について

SUM(Smart Update Manager)で表示される、適用中のランゲージパックのバージョンが正しく表示されない場合があります。正しいバージョンを確認するためには、iLO WEB インタフェースの[管理]>[言語]ページより現在適用中の言語パックのバージョンをご確認下さい。

また、この結果、SUM でランゲージパックが適用対象として正しく選択されない可能性があります。目的のバージョンのランゲージパックが適用されていないのに、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として選択されない場合があります。この場合は、ランゲージパックを手動で選択し展開を実施してください。

目的のバージョンのランゲージパックが適用済みであっても、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として自動的に選択されている場合があります。この場合は、ランゲージパックの適用は不要ですので、選択を解除してから展開を実施してください。

5.5 SUMでのiLOを使用したランゲージパック適用に関する制限事項

SUMで対象ノードとして、システム装置のiLOを追加(ノードのIPアドレスにiLOのIPアドレスを指定、ノードタイプにiLOを選択)した場合、ランゲージパックが対象に含まれず更新されません。ランゲージパックは別途下記方法にて更新ください。

- SUMをローカルホスト上で実行(※)
- SUMで対象ノードとしてシステム装置のOSのIPアドレスを指定して実行(※)
- iLO WEB インタフェースを使用して実行

※：対象ノードがVMwareの場合は使用不可

【iLO WEB インタフェースからの更新手順】

- (1) 以下の手順で、事前にSPH package ファイルからランゲージパックファイルを取り出してください。
Windows上で、SPHのpackagesディレクトリ下にある、『6.2.9 Firmware - Lights-Out Management』の「Language Pack - Japanese」に掲載されている“cp*****.exe”を実行してください。パッケージセットアップが起動するので「解凍」を選択し、任意のディレクトリにパッケージを展開してください。展開したディレクトリから、“lang_ja_***.lpk”を取り出してください。
- (2) 装置のシャットダウンを行ってください。
- (3) iLO WEB インタフェースの「ファームウェア & OS ソフトウェア」タブを開いてください。
- (4) 「ファームウェアアップデート」をクリックし、「ローカルバイナリファイル」に先ほど取り出したランゲージパックファイルを指定し、「フラッシュ」を選択してください。
- (5) 2~3分後に完了のメッセージが表示されます。その後iLOが自動的に再起動します。

5.6 ASR(Automatic Server Recovery)について

ASR(Automatic Server Recovery)はブルースクリーン等の致命的なOSのエラーが発生したときに自動的にシステムの復旧をするべくサーバの再起動をおこなう機能です。IP(version 3.10以降)を使ったOSのインストール

ール又は SPH(version 3.00 以降)の適用、その他の方法による ASR ドライバのインストールにより ASR が自動的に有効になります。ASR が不要な場合や Alive Monitor、IPMI WDT 等の他の OS 死活監視を使う場合は ASR を無効化してください。

5.6.1 ASR 操作の PowerShell スクリプトの入手について

ASR の有効/無効の確認並びに切り替えは ASR ドライバのパッケージに同梱されている PowerShell スクリプトを使って行います。以下を参照して PowerShell スクリプトを入手してください。

(1) ASR ドライバのパッケージを展開します

SPH の packages ディレクトリ下にあるファイル群の中から、下表の各 OS バージョンに対応した『6.2.7 Driver - System Management』の「Package filename」欄記載のファイルを実行してください。パッケージセットアップが起動するので解凍を選択し、任意のディレクトリにパッケージを展開してください。

No.	Windows バージョン	Description
1	Windows Server 2019	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019
23	Windows Server 2022	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022

(2) PowerShell スクリプトを確認してください

展開したパッケージの中の scripts ディレクトリ下に下記の 3 つの PowerShell スクリプトが含まれている事を確認してください。必要に応じて任意のディレクトリにコピーしてください。

Get-AsrSettings.ps1

Set-AsrPreTimeoutNMI.ps1

Set-AsrTimeout.ps1

5.6.2 ASR の確認方法

Windows の PowerShell より Get-AsrSettings.ps1 を実行してください。TimeoutInMinutes が 0 又は、コマンドの実行がエラーとなった場合 ASR は無効になっています。

実行例その 1(TimeoutInMinutes が 0 の場合)

```
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1
Active           : True
EnablePreTimeoutNMI : True
InstanceName     : PCI\VEN_103C&DEV_3306&SUBSYS_00E41590&REV_07\4&154b2d14&0&00E4_0
TimeoutInMinutes : 0
PSComputerName   :
```

実行例その 2(コマンドの実行がエラーとなる場合)

```
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1
Get-CimInstance : 無効なクラスです
発生場所 C:\Users\Administrator\Desktop\Get-AsrTimeout.ps1:25 文字:1
+ Get-CimInstance -Namespace "root\wmi" -ClassName "HP_iLO_ASR_Settings ...
+ ~~~~~
+ CategoryInfo          : MetadataError: (root\wmi:HP_iLO_ASR_Settings:String) [Get-CimInstance], CimException
+ FullyQualifiedErrorId : HRESULT 0x80041010,Microsoft.Management.Infrastructure.CimCmdlets.GetCimInstanceCommand
```

5.6.3 ASR の無効化方法

Windows の PowerShell より以下のオプションで Set-AsrTimeout.ps1 を実行してください。

```
Set-AsrTimeout.ps1 -Disable
```

実行例

```
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Disable
```

5.6.4 ASR の有効化方法

Windows の PowerShell より以下のオプションで Set-AsrTimeout.ps1 を実行してください。

```
Set-AsrTimeout.ps1 -Default
```

実行例

```
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Default
```

5.7 VMware をご使用にあたっての注意事項

5.7.1 ファームウェアの適用について

システム装置を安定してご使用いただくためには、ご使用の VMware バージョンに合わせたファームウェアを適用頂く必要があります。

VMware 環境でのファームウェアの適用にあたっては、SUM のリモートオンライン 展開モード及びオフライン 展開モードが利用できます。(VMware バージョンと利用可能な SPH 及び展開モードについては、[「Service Pack for HA8000V 補足資料\(Readme\)」](#)の『サポートモデル/OS 一覧』を参照ください。)

【リモートオンライン 展開モードを使用する場合】

本モードでは、ファームウェアに加えてドライバのアップデートも可能です。

事前に「iSUT」のインストール及び ESXi ホストに対する設定が必要です。

「iSUT」が未インストールの場合、『5.7.2 iSUT のインストール』記載の手順に従ってインストールしてください。ESXi ホストに対しては、以下の設定をアップデート作業前に実施して下さい。

- (1) ファームウェア/ドライバのアップデート作業を行う間は、ESXi ホストをメンテナンスモードに設定してください。
- (2) ESXi ホストをノードとして追加する場合、対象ノードとしてシステム装置の iLO を追加(ノードの IP アドレスに iLO の IP アドレスを指定、ノードタイプに iLO を選択)してください。
- (3) ファームウェア/ドライバのアップデートを有効化するためには VMware ESXi の再起動が必要です。アップデート後自動的に再起動させる場合は、再起動オプションを使用してください。

【オフライン 展開モードを使用する場合】

SPH の iso イメージを格納した媒体をサーバに取り付け、媒体よりサーバをブートします。

なお、各 VMware バージョンと SPH サポート情報の詳細は、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」の[製品]ー[OS、ISV 情報]にある『VMware』に掲載している注意事項をご参照の上、推奨ドライババージョンをご確認ください。

5.7.2 iSUT のインストール

VMware システムに対して、SPH/SUM を使用しファームウェア/ドライバのアップデートを行うには、ESXi ホストに iSUT をインストールする必要があります。iSUT インストール後は、リモート PC から SUM の『リモートオンライン』展開モードを使用して ESXi ホストのファームウェア/ドライバのアップデートを行うことができます。

ESXi ホストに iSUT をインストールする手順を次に示します。次のインストール手順では、データストア名を「datastore1」としています。使用環境にあわせて読み換えてください。

- (1) iSUT は SPH の packages ディレクトリに収録されています。下表に示す zip ファイルを展開し、iSUT のオフラインバンドル(zip ファイル)を取り出してください。

No.	VMware バージョン	SPH package ファイル名	オフラインバンドルファイル名
1	VMware ESXi™ 7.0	cp062093.zip	sutComponent_701.5.2.0.6-*.zip
2	VMware ESXi™ 8.0	cp062092.zip	sutComponent_800.5.2.0.5-*.zip

- (2) 取り出した iSUT のオフラインバンドルを VMware ESXi の「datastore1」直下へに転送してください。
- (3) VMware ESXi のコンソール画面で「F2」キーを押すと Login 画面が表示されるので、root ユーザーでログインします。
- (4) 「System Customization」画面が表示されるので、「Troubleshooting Options」を選択し、「Enter」キーを押下します。

- (5) 「Enable ESXi Shell」を選択し、「Enter」キーを押下して ESXi Shell を "Enable" に変更します。
- (6) 「Alt」 + 「F1」キーを押下し、VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (7) 次のコマンドを実行しインストールします。

```
esxcli software vib install -d /vmfs/volumes/datastore1/<転送したバンドルファイル名>
```

- (8) VMware ESXi を再起動してください。
- (9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (10) 次のコマンドを実行し、iSUT を AutoDeployReboot モードに設定します。
- (11) 作業終了後、OnDemand モードに変更します。iSUT を AutoDeployReboot モードに設定すると、iSUT が常駐し常時稼働し続けます。アップデート作業時以外は iSUT の稼働は不要ですので、常駐解除することを推奨します。iSUT を OnDemand モードに設定するには、次のコマンドを実行してください。

```
sut -set mode=autodeployreboot
```

```
sut -set mode=ondemand
```

5.7.3 iLO セキュリティ設定を“高セキュリティ”にした装置で iSUT を使用する場合について

(1) iLO の認証情報設定

iLO を“高セキュリティ”設定にした状態で iSUT を使うためには、以下のいずれかの設定が必要です。

① iSUT への認証情報設定

② iLO のセキュリティ条件の変更(iLO FW v1.4.0 以降のみ設定可能)

① iSUT への認証情報設定

iSUT に iLO の認証情報を設定します。設定方法は、VM ホスト上で以下を実行します。

```
sut -set ilouusername=<username>
```

```
Please provide the iLO password: <*****>
```

【注意】

認証情報の設定は、iSUT が OnDemand モードの状態で行ってください。AutoDeployReboot モードで設定した場合、認証情報が有効にならない場合があります。

② iLO のセキュリティ条件の変更

iLO で“ホスト認証が必要”を「無効」に設定します。

iLO の Web 画面で[セキュリティ]-[アクセス設定]と画面遷移し、iLO の項目にある「ホスト認証が必要」の設定を「無効」に設定してください。

(2) iSUT の設定確認・変更

VM ホスト上で “sut -status” を実行し、iSUT の設定が “EnableiLOQueuedUpdates=true”となっていることを

確認してください。"false"の場合は、VM ホスト上で以下を実行してください。

```
sut -set enableiloqueuedupdates=true
```

5.7.4 ドライバパラメータ再設定について

本 SPH を使用して VMware ドライバをアップデートした場合、ネイティブ ドライバが適用されます。ご使用の VMware 環境で VMKLinux ドライバをご使用の場合、ドライバが変更され、設定されているドライバパラメータが初期化されます。この問題を回避するために、ドライバアップデート後、ドライバパラメータを再設定してください。

【対象製品及びドライバ種】

下表に記載している対象製品並びにアップデート前のドライバ種をご使用の場合が対象となります。

対象製品		ドライバ種	
形名(*1)	製品名(旧品名)	アップデート前 (VMKLinux)	アップデート後 (ネイティブ)
TQ-N□□-817745-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ)	net-ixgbe	ixgben
TQ-N□□-817738-B21	Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)		
TQ-N□□-665240-B21	Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366FLR ネットワークアダプタ)	igb	igbn
TQ-N□□-652497-B21	Ethernet 1Gb 2-port BASE-T I350-T2V2 Adapter(Ethernet 1Gb 2 ポート 361T ネットワークアダプタ)		
TQ-N□□-811546-B21	Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366T ネットワークアダプタ)		
TQ-N□□-727054-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)	i40e	i40en
TQ-N□□-727055-B21	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)		

(*1)：□には製品構成などにより異なった英数字が入ります。

【再設定手順】

(1) ドライバパラメータの確認及び記録

ドライバのアップデート前に、以下コマンドを実行し、ドライバパラメータ値を控えてください。

```
esxcfg-module -g <driver name>
```

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」の「yyyy」に設定値が表示されますので、値を控えてください。値が表示されない場合は、ドライバパラメータは未設定ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
```

```
net-ixgbe enabled = 1 options = 'yyyy'
```

また、以下の表示となる場合、net-ixgbe ドライバは未使用ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
```

```
Unknown module name net-ixgbe
```

(2) ドライバパラメータの再設定

ドライバのアップデート前に、以下コマンドを実行し、『(1)ドライバパラメータの確認及び記録』で控えたドライバパラメータを再設定して下さい。

```
esxcfg-module -s "yyyy" <driver name>
```

yyyy : 控えたドライバパラメータ

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」に控えたドライバパラメータを指定します。

(実行例) ixgben の場合

```
# esxcfg-module -s "yyyy" ixgben
```

(3) VMware ESXi の再起動

変更を有効にするため、VMware ESXi を再起動してください。

5.7.5 QLogic 製ファイバーチャネルホストバスアダプタご使用にあたっての注意事項

VMware 環境において、QLogic 製ファイバーチャネルホストバスアダプタの特定のドライバパラメータを設定している状態で SPH に収録されているドライバにアップデートすると、アダプタが認識できなくなります。

特に、SAN ブートパスに使用しているアダプタで本現象が発生した場合、OS が起動できなくなり、回復にはバックアップからのリストアが必要となります。本 SPH を用いたドライバのアップデート前に、予めパラメータ変更を行ってからドライバをアップデートしてください。

なお、デフォルトではパラメータは設定されておらず、本現象は発生しません。

パラメータ変更方法等、詳細は「日立アドバンスサーバ HA8000V シリーズ」の「製品に関する重要なお知らせ」掲載の「VMware 環境において QLogic 製ファイバーチャネルホストバスアダプタのドライバをアップデート後アダプタが認識できなくなる現象について(管理番号：CRI-2020-0005)」を参照してください。

5.7.6 リモートオンライン 展開モードをご使用時の注意事項

本モードをご使用の際は、iLO が Agentless Management Service(AMS)に接続している必要があります。iLO が AMS に接続していない場合、適用可能なコンポーネントにソフトウェア/ドライバパッケージが追加されません。

iLO と AMS の接続状態を確認するには、iLO WEB インタフェースの[システム情報]>[概要]ページを開き、サブシステムおよびデバイスの Agentless Management Service のステータスを確認して下さい。

【iLO が AMS に接続している場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	✔ OK

【iLO が AMS に接続していない場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	① 利用不可能

iLO が AMS に接続していない場合、以下の手順を実施し、再度 iLO と AMS の接続状態を確認して下さい。

- 装置電源 OFF(ESXi ホストシャットダウン)
- 装置電源ケーブルの抜き差し
- 装置電源 ON(ESXi ホスト起動)

5.8 SUM オフライン展開モードご使用時の注意事項

SUM オフライン展開モードでは Secure Boot をサポートしておりません。Secure Boot 設定は Disabled に設定の上ご使用ください。

SPH の ISO イメージを、iLO 仮想メディアデバイスにマウントして SUM のオフライン展開モードご使用の場合、iLO の『ネットワークインターフェイス設定』が『共有ネットワークポート』構成となっていると、SUM の起動途中でエラーになることがあります。

iLO の『ネットワークインターフェイス設定』を『共有ネットワークポート』構成でご使用の場合、ISO イメージを書き込んだ媒体をご用意いただき、内蔵もしくは USB 接続の DVD ドライブを使用して SUM のオフライン展開モードを起動してください。

【注意】

DL20/ML30 では、iLO の『ネットワークインターフェイス設定』のデフォルト設定が『共有ネットワークポート』となっています。SUM オフライン展開モードご使用時は、SPH ISO イメージを書き込んだ媒体が

ら起動してください。

5.9 Intel 製ネットワークアダプタご使用について

Intel 製ネットワークアダプタをご使用になる場合、下記の制限事項があります。

5.9.1 Intel 製ネットワークアダプタのファームウェアアップデートについて

Intel 製ネットワークアダプタのファームウェアアップデートを行う場合、ファームウェアアップデート後に再起動を行っても、サブ電源で動作する機能は動作し続けているため、アップデートが完全には反映されません。

アップデート後に電源ケーブルを抜いて電源を5秒以上切断してから、電源ケーブルを差しなおし電源を入れなおしてください。電源ケーブルを抜き差しする必要があるため、リモートでは実施できません。

本制限事項の最新の状況並びに具体的な対象アダプタの情報については、アドバイザー：「特定のネットワークアダプタについてファームウェアアップデート後に電源ケーブルの抜き差しが必要になる」(ADV-2019-0019)を参照してください。

5.9.2 Intel 製ネットワークアダプタのファームウェアダウングレードについて

Intel 製ネットワークアダプタをご使用になる場合、下表記載のSPHに収録されているファームウェアバージョンは、ダウングレードには対応しておりません。

形名(*1) or 搭載システム装置	製品名(旧品名)	Device
TQ-N□□-817745-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562FLR-T Adapte
TQ-N□□-817738-B21	Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562T Adapter
TQ-N□□-727054-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
TQ-N□□-727055-B21	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562SFP+ Adapter
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプタ	HPE Ethernet 1Gb 4-port 369i Adapter
TQ-N□□-P28778-B21	INT X710 10GbE 2p SFP+ OCP3 Adptr	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2
TQ-N□□-P28787-B21	X710 10Gb 2p SFP+ Adptr	AdapterHPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

(*1)：□には製品構成などにより異なった英数字が入ります。

5.10 Gen10 Plus RAID コントローラ環境での OS セットアップの注意事項

5.10.1 ドライバの適用について

下表記載の Gen10 Plus RAID コントローラご利用環境で、Windows または RHEL の新規・再セットアップの際には、SPH を適用する前に SPH に収録された「6.2.5 Driver - Storage Controller」記載の各 OS に対応した Gen10 Plus RAID コントローラドライバを適用してください。

ドライバの適用方法は、「HA8000V Gen10 Plus 重要事項および読替ガイド」の[システム装置のセットアップ]-[OS のインストール]を参照して下さい。

形名(*1)	製品名	device
TQ-R□□-P04220-B21	SR932i-p Gen10 Plus コントローラ	Microchip SR932i-p Cntrl for HPE Gen10+
TQ-R□□-P12688-B21	SR416-a Gen10 Plus コントローラ	Microchip SR416i-a Cntrl for HPE Gen10+
TQ-R□□-P26279-B21	MR416i-a Gen10 Plus コントローラ	Broadcom MR416i-a Cntrl for HPE Gen10+
TQ-R□□-P06367-B21	MR416-p Gen10 Plus コントローラ	Broadcom MR416i-p Cntrl for HPE Gen10+
TQ-R□□-P26325-B21	MR216i-a Gen10 Plus コントローラ	Broadcom MR216i-a Cntrl for HPE Gen10+
TQ-R□□-P26324-B21	MR216-p Gen10 Plus コントローラ	Broadcom MR216i-p Cntrl for HPE Gen10+

(*1)：□には製品構成などにより異なった英数字が入ります。

5.11 Integrated Lights-Out 5 Firmware バージョンアップについて

本 SPH に収録している Integrated Lights-Out 5 Firmware(iLO)のオンライン適用において、ご利用環境の iLO バージョンが 1.40 未満の場合、バージョン 1.48 にアップデートした後、SPH を適用する必要があります。

iLO バージョン 1.48 へのアップデートについては、ダウンロードサイトよりご使用環境の OS に対応したユーティリティをダウンロードいただき、案内されている手順に従ってアップデートしてください。

5.12 MegaRAID コントローラファームウェアのアップデートについて

本 SPH 収録の MegaRAID コントローラ用ファームウェアアップデートコンポーネントは、SUM による更新が失敗することがあります。更新を正常に行うため、SPH 適用前に SPH に収録された「6.2.15 Firmware - Storage Controller」記載の各コントローラに対応したファームウェアを個別に適用してください。

【対象製品】

形名(*1)	製品名	device
TQ-R□□-P26279-B21	MR416i-a Gen10 Plus コントローラ	Broadcom MR416i-a Cntrl for HPE Gen10+
TQ-R□□-P06367-B21	MR416-p Gen10 Plus コントローラ	Broadcom MR416i-p Cntrl for HPE Gen10+
TQ-R□□-P26325-B21	MR216i-a Gen10 Plus コントローラ	Broadcom MR216i-a Cntrl for HPE Gen10+
TQ-R□□-P26324-B21	MR216-p Gen10 Plus コントローラ	Broadcom MR216i-p Cntrl for HPE Gen10+

※「***」はお客さまのご購入製品により相違します。

【適用手順】

- (1) iLO Web コンソールの、「ファームウェア&OS ソフトウェア」 - 「ファームウェア」画面内の、[ファームウェア名]一覧から『HPE MR』から始まる対象製品を探し、現在適用されているバージョンを確認してください。ファームウェアバージョンが本 SPH 収録バージョン以降の場合は、適用する必要はありません。

↑ファームウェア名	ファームウェアバージョン	位置
8 SFF 24G x1NVMe/SAS UBM3 BC BP	1.24	Slot=2:Port=1:Box=1
8 SFF 24G x1NVMe/SAS UBM3 BC BP	1.24	Slot=2:Port=1:Box=1
Embedded Video Controller	2.5	Embedded Device
HGST 400GB 12G SAS SSD	C172	Slot=2:Port=1:Box=1:Bay=1
HITACHI Profile	2021.06.11	System Board
HPE MR416i-p Gen10+	52.22.3-4650	PCI-E Slot 2
HPE Smart Storage Energy Pack 1 Firmware	0.70	Embedded Device
iLO 5	2.96 Aug 17 2023	System Board
Innovation Engine (IE) Firmware	1.0.0.22	System Board
Intel Eth Adptr I350T4 OCPv3	1.3353.0	OCP 3.0 Slot 10

上記表示例の場合はファームウェアバージョンが“52.24.3-4650”になります。

- (2) 上記表記載のご使用の製品に対応したコンポーネントファイル[fwpkg 形式]を SPH から取り出します。(表記載のコンポーネントファイルは、SPH「packages」フォルダに格納されています。)

- (3) iLO Web コンソールの「ファームウェア&OS ソフトウェア」の右ペインにある「ファームウェアのアップデート」をクリックして表示される「ファームウェアのフラッシュ」画面で、「ファイルの選択」をクリックし、対象のコンポーネントファイルを指定して、「フラッシュ」をクリックしてください。

ファームウェアのフラッシュ

ファイル位置

ローカルファイル

リモートファイル

ローカルファイル

ファイルの選択 ファイルが選択されていません

同様に、iLOレポジトリに保存

フラッシュ

- (4) 画面上部に緑色の帯でファームウェアアップデート完了のメッセージが表示されたら、システムを再起動します。
- (5) 表示されたファームウェア一覧の[ファームウェア名]から「HPE MR」から始まる対象製品の名称を探し、更新後のファームウェアバージョンを確認してください。

6. SPH収録コンテンツ一覧

SPH の iso イメージに含まれるドライバ、ファームウェア、ユーティリティ(ソフトウェア)を示します。SPH には、適用方法により下記の2種のコンテンツを含んでいます。

- OS セットアップ後、お客様自身で個別に適用頂くもの
- Smart Update Manager(SUM)を使って適用可能なもの

以降、それぞれのコンテンツについて説明します。

6.1 お客様により適用が必要なコンテンツ

次表に示すファイルは、SPH に含まれる SUM ツールでの適用対象ではありません。Windows Server OS の新規・再セットアップ(プレインストールセット除く)の場合は、SPH 適用後に各ツールを実行してください。

No.	ツール	説明	iso 内格納場所	備考
1	IT Report Utility (ITRU)	サーバの構成情報、および障害の情報を採取します	¥software¥Hitachi¥ITRU	
2	2PRxDur settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	Broadcom 製 1Gb LAN アダプタ搭載構成のみ対象
3	LargeRxRing settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	

【Broadcom 製 1Gb LAN アダプタ】(旧品名)

- オンボード LAN[Ethernet 1Gb 4-port 331i Adapter]
- オンボード LAN[Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE]
- Ethernet 1Gb 4-port FLR-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331FLR Adapter)
- Ethernet 1Gb 4-port BASE-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331T Adapter)
- Ethernet 1Gb 2-port BASE-T BCM5720 Adapter(HP Ethernet 1Gb 2-port 332T Adapter)
- BCM 5719 1Gb 4p BASE-T Adptr
- BCM 5719 1Gb 4p BASE-T OCP Adptr

(1) ITRU のインストール

ITRU をインストールするには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥ITRU¥setup.bat
```

なお、ITRU のインストールに関する詳細情報は次の WEB ページ

https://www.hitachi.co.jp/cgi-bin/soft/sjst/select_open.cgi

に掲載されている Windows 版 ITRU 取扱説明書の 3 章をご確認願います。

(2) ネットワークアダプタ レジストリ設定の適用

ネットワークアダプタ レジストリ設定を適用するためには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥2PRxDur.bat
```

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥LargeRxRing.bat
```

ツール実行後、OS を再起動してください。

6.2 SUM ツールで適用可能なファイル

次に示すドライバ/ファームウェア/ユーティリティ(ソフトウェア)は、SUM ツールにより適用可能なファイルです。(表中の"x"表記は、本ドキュメントリリース時点で未サポートであることを示します。)

SUM の GUI モードで使用する場合、OS 別の実行するコマンドを下記に示します。(管理者権限で実行してください。)

Windows 環境：

```
.\%launch_sum.bat
```

Linux 環境：

```
./launch_sum.sh
```

この時、ログイン画面が表示された場合には、SUM 起動時にご使用の(ログインしていた)OS ユーザ名/パスワードを入力してください。

なお、SUM の詳細な操作方法は、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」に掲載されている『Smart Update Manager ユーザーガイド』を参照ください。

次節以降、カテゴリ別にパッケージの情報を示します。

「Firmware/Driver version」列の情報は、SPH 収録の各パッケージに含まれるファームウェアまたはドライバのバージョン情報を示していますが、VMware システム向けパッケージの場合は、VMware vSphere コンポーネントバージョンを示しています。

6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1	Integrated Smart Update Tools 5.2.0 for ESXi 7.0	cp062093.zip	-	2024.08.00	701.5.2.0.6-0
2	Integrated Smart Update Tools 5.2.0 for ESXi 8.0	cp062092.zip	-	2024.08.00	800.5.2.0.5-0
3	Integrated Smart Update Tools for Linux x64	sut-5.2.0-5.linux.x86_64.rpm	-	5.2.0.0	5.2.0-5.linux
4	Integrated Smart Update Tools for Windows x64	cp062091.exe	-	5.2.0.0	5.2.0.0

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
5	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
6	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)
7	Online ROM Flash Component for Linux - System ROM U34	firmware-system-oem-u34-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
8	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
9	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-3.40_2024_08_01-1.1.x86_64.rpm	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
10	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-3.40_2024_08_01-1.1.x86_64.rpm	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
11	Online ROM Flash Component for Linux - System ROM U46	firmware-system-oem-u46-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
12	Online ROM Flash Component for Linux - System ROM U60	firmware-system-oem-u60-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
13	Online ROM Flash Component for Linux - System ROM U61	firmware-system-oem-u61-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)
14	Online ROM Flash Component for Windows x64 - System ROM U30	cp062575.exe	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
15	Online ROM Flash Component for Windows x64 - System ROM U32	cp062392.exe	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)
16	Online ROM Flash Component for Windows x64 - System ROM U34	cp062450.exe	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
17	Online ROM Flash Component for Windows x64 - System ROM U41	cp062389.exe	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
18	Online ROM Flash Component for Windows x64 - System ROM U43	cp062553.exe	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
19	Online ROM Flash Component for Windows x64 - System ROM U44	cp062552.exe	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
20	Online ROM Flash Component for Windows x64 - System ROM U46	cp062458.exe	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
21	Online ROM Flash Component for Windows x64 - System ROM U60	cp062529.exe	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
22	Online ROM Flash Component for Windows x64 - System ROM U61	cp062519.exe	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)
23	ROM Flash Firmware Package - System ROM U30	OEM.U30_3.30_07_31_2024.fwpkg	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
24	ROM Flash Firmware Package - System ROM U32	OEM.U32_3.30_07_31_2024.fwpkg	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)

25	ROM Flash Firmware Package - System ROM U34	OEM.U34_3.30_07_31_2024.fwpkg	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
26	ROM Flash Firmware Package - System ROM U41	OEM.U41_3.30_07_31_2024.fwpkg	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
27	ROM Flash Firmware Package - System ROM U43	OEM.U43_3.40_08_01_2024.fwpkg	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
28	ROM Flash Firmware Package - System ROM U44	OEM.U44_3.40_08_01_2024.fwpkg	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
29	ROM Flash Firmware Package - System ROM U46	OEM.U46_2.20_08_07_2024.fwpkg	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
30	ROM Flash Firmware Package - System ROM U60	OEM.U60_2.20_08_07_2024.fwpkg	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
31	ROM Flash Firmware Package - System ROM U61	OEM.U61_2.20_08_07_2024.fwpkg	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)

6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
32	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp062267.exe	-	10.1.19928.8615	10.1.19928.8615
33	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp062270.exe	-	10.1.19886.8592	10.1.19886.8592
34	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows	cp062266.exe	-	10.1.19006.8299 (C)	10.1.19006.8299
35	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp061928.exe	-	10.1.19879.8585	10.1.19879.8585

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
36	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.6.0	221.0.6.0
37	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.6.0	221.0.6.0
38	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.6.0	221.0.6.0
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.162.0	230.0.162.0
40	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
41	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57416 10GbE 2p BASE-T Adptr	230.0.162.0	230.0.162.0
42	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.162.0	230.0.162.0
43	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57412 10GbE 2p SFP+ Adptr	230.0.162.0	230.0.162.0
44	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.162.0	230.0.162.0
45	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57504 10/25GbE 4p SFP28	230.0.162.0	230.0.162.0

			Adptr		
46	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
47	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.162.0	230.0.162.0
48	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
49	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57416 10GbE 2p BASE-T Adptr	230.0.162.0	230.0.162.0
50	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.162.0	230.0.162.0
51	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57412 10GbE 2p SFP+ Adptr	230.0.162.0	230.0.162.0
52	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.162.0	230.0.162.0
53	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	230.0.162.0	230.0.162.0
54	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
55	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 2- port 332i Adapter (22E8)	221.0.6.0	221.0.6.0
56	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 2- port 332T Adapter	221.0.6.0	221.0.6.0
57	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4- port 331FLR Adapter	221.0.6.0	221.0.6.0
58	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4- port 331T Adapter	221.0.6.0	221.0.6.0
59	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4- port 331i Adapter (22BE)	221.0.6.0	221.0.6.0
60	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.162.0	230.0.162.0
61	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.162.0	230.0.162.0
62	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 535T Adapter	230.0.162.0	230.0.162.0
63	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.162.0	230.0.162.0
64	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.162.0	230.0.162.0
65	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.162.0	230.0.162.0
66	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.162.0	230.0.162.0
67	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.162.0	230.0.162.0
68	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 535T	230.0.162.0	230.0.162.0

			Adapter		
69	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.162.0	230.0.162.0
70	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.162.0	230.0.162.0
71	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.162.0	230.0.162.0
72	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
73	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
74	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
75	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
76	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
77	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
78	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
79	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
80	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
81	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
82	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
83	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
84	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
85	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
86	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
87	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
88	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
89	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807

90	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
91	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
92	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
93	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
94	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57416 10GbE 2p BASE-T Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
95	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
96	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
97	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
98	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
99	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-10EM.700.1.0.15843807
100	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
101	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
102	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
103	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
104	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
105	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
106	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
107	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
108	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57416 10GbE 2p BASE-T Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
109	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
110	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240
111	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.09.00	230.0.236.0-10EM.800.1.0.20613240

					.20613240
112	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2024.09.00	230.0.236.0- 10EM.800.1.0 .20613240
113	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0- 10EM.800.1.0 .20613240
114	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.132.0	230.0.132.0- rhel8u9
115	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.132.0	230.0.132.0- rhel8u9
116	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.132.0	230.0.132.0- rhel8u9
117	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.132.0	230.0.132.0- rhel8u9
118	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.132.0	230.0.132.0- rhel8u9
119	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	230.0.132.0	230.0.132.0- rhel8u9
120	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.132.0	230.0.132.0- rhel8u9
121	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.132.0	230.0.132.0- rhel8u9
122	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	230.0.132.0	230.0.132.0- rhel8u9
123	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.132.0	230.0.132.0- rhel8u9
124	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	230.0.132.0	230.0.132.0- rhel8u9
125	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.132.0	230.0.132.0- rhel8u9
126	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	230.0.132.0	230.0.132.0- rhel8u9
127	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0- rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.132.0	230.0.132.0- rhel8u9
128	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m- 1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139m-1	3.139m- 1.rhel8u9
129	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m- 1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139m-1	3.139m- 1.rhel8u9
130	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m- 1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 2- port 332i Adapter (22E8)	3.139m-1	3.139m- 1.rhel8u9
131	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m- 1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 2- port 332T Adapter	3.139m-1	3.139m- 1.rhel8u9
132	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m- 1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4- port 331FLR	3.139m-1	3.139m- 1.rhel8u9

			Adapter		
133	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139m-1	3.139m-1.rhel8u9
134	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139m-1	3.139m-1.rhel8u9
135	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139m-1	3.139m-1.rhel8u9
136	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 2-port 361i Adapter	14.0.5.0	14.0.5.0
137	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 2-port 361T Adapter	14.0.5.0	14.0.5.0
138	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0	14.0.5.0
139	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 4-port 366T Adapter	14.0.5.0	14.0.5.0
140	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 2-port 361i Adapter	14.0.5.0	14.0.5.0
141	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 2-port 361T Adapter	14.0.5.0	14.0.5.0
142	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0	14.0.5.0
143	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 4-port 366T Adapter	14.0.5.0	14.0.5.0
144	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.25.9-1	2.25.9-1.rhel8u9
145	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.25.9-1	2.25.9-1.rhel8u9
146	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.25.9-1	2.25.9-1.rhel8u9
147	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.25.9-1	2.25.9-1.rhel8u9
148	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.25.9-1	2.25.9-1.rhel8u9
149	HPE Intel i40ea Driver for Windows Server 2019	cp061659.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.164.0	1.19.164.0
150	HPE Intel i40ea Driver for Windows Server 2019	cp061659.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.164.0	1.19.164.0
151	HPE Intel i40ea Driver for Windows Server 2022	cp061660.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.165.0	1.19.165.0
152	HPE Intel i40ea Driver for Windows Server 2022	cp061660.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.165.0	1.19.165.0
153	HPE Intel i40eb Driver for Windows Server 2019	cp061661.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.19.164.0	1.19.164.0
154	HPE Intel i40eb Driver for Windows Server 2022	cp061662.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.19.164.0	1.19.164.0
155	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2024.09.00	2.8.4.0-10EM.700.1.0.15843807

156	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2024.09.00	2.8.4.0-10EM.700.1.0.15843807
157	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2024.09.00	2.8.4.0-10EM.700.1.0.15843807
158	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2024.09.00	2.8.4.0-10EM.700.1.0.15843807
159	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2024.09.00	2.8.4.0-10EM.700.1.0.15843807
160	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2024.09.00	2.8.4.0-10EM.800.1.0.20613240
161	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2024.09.00	2.8.4.0-10EM.800.1.0.20613240
162	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2024.09.00	2.8.4.0-10EM.800.1.0.20613240
163	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2024.09.00	2.8.4.0-10EM.800.1.0.20613240
164	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2024.09.00	2.8.4.0-10EM.800.1.0.20613240
165	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
166	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
167	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	4.11.2-1	4.11.2-1.rhel8u9
168	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.11.2-1	4.11.2-1.rhel8u9
169	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
170	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	4.11.2-1	4.11.2-1.rhel8u9
171	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	4.11.2-1	4.11.2-1.rhel8u9
172	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.11.2-1	4.11.2-1.rhel8u9
173	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	4.11.2-1	4.11.2-1.rhel8u9
174	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	4.11.2-1	4.11.2-1.rhel8u9
175	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	6.16.9-1	6.16.9-1.rhel8u9
176	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.16.9-1	6.16.9-1.rhel8u9
177	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.16.9-1	6.16.9-1.rhel8u9
178	HPE Intel igb Drivers for Red Hat	kmod-hp-igb-6.16.9-	HPE Ethernet 1Gb	6.16.9-1	6.16.9-

	Enterprise Linux 8	1.rhel8u9.x86_64.rpm	4-port 366T Adapter		1.rhel8u9
179	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.16.9-1	6.16.9-1.rhel8u9
180	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.16.9-1	6.16.9-1.rhel8u9
181	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
182	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
183	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
184	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
185	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
186	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2024.09.00	1.12.0.0-10EM.700.1.0.15843807
187	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
188	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
189	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
190	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
191	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
192	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
193	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.20.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.20.9-1	5.20.9-1.rhel8u9
194	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.20.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.20.9-1	5.20.9-1.rhel8u9
195	HPE Intel ixgben Driver for VMware vSphere 7.0	cp059752.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2024.03.00	1.18.2.0-10EM.700.1.0.15843807
196	HPE Intel ixgben Driver for VMware vSphere 7.0	cp059752.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2024.03.00	1.18.2.0-10EM.700.1.0.15843807
197	HPE Intel ixgben Driver for VMware vSphere 8.0	cp058394.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2024.03.00	1.18.2.0-10EM.800.1.0.20613240
198	HPE Intel ixgben Driver for VMware	cp058394.zip	HPE Ethernet 10Gb	2024.03.00	1.18.2.0-

	vSphere 8.0		2-port 562T Adapter		1OEM.800.1.0 .20613240
199	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.19.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.19.9-1	4.19.9-1.rhel8u9
200	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.19.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.19.9-1	4.19.9-1.rhel8u9
201	HPE Intel ixS Driver for Windows Server 2019	cp061743.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0	4.1.254.0
202	HPE Intel ixS Driver for Windows Server 2019	cp061743.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.254.0	4.1.254.0
203	HPE Intel ixS Driver for Windows Server 2022	cp061744.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0	4.1.254.0
204	HPE Intel ixS Driver for Windows Server 2022	cp061744.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.254.0	4.1.254.0
205	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp061097.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.4.26429.0	24.4.26429.0
206	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp061097.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.4.26429.0	24.4.26429.0
207	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp061096.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.4.26429.0	24.4.26429.0
208	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp061096.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.4.26429.0	24.4.26429.0
209	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-1.rhel8u9
210	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-1.rhel8u9
211	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-1.rhel8u9
212	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-1.rhel8u9
213	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-1.rhel8u9
214	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-1.rhel8u9
215	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-3.rhel8u9

	(x86_64)				
216	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-3.rhel8u9
217	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-3.rhel8u9
218	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-3.rhel8u9
219	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-3.rhel8u9
220	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-3.rhel8u9
221	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
222	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
223	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
224	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
225	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
226	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
227	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
228	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9

229	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
230	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
231	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
232	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
233	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
234	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
235	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
236	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
237	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
238	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
239	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
240	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
241	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
242	HPE Mellanox RoCE (RDMA over	kmod-mlnx-ofa_kernel-	HPE IB HDR100/EN	24.04-0.6.6.1	24.04-

	Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	100Gb 2p QSFP56 Adptr		OFED.24.04.0.6.6.1.rhel8u9
243	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.74.4.0-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.74.4.0-8	8.74.4.0-1.rhel8u9
244	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp062361.exe	HPE Ethernet 10Gb 2-port 521T Adapter	8.72.15.0	8.72.15.0
245	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp061738.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.09.00	5.0.393.0-10EM.700.1.0.15843807
246	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0	cp061739.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.09.00	6.0.393.0-10EM.800.1.0.20613240
247	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
248	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
249	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
250	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
251	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
252	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.09.00	3.0.251.0-10EM.700.1.0.15843807
253	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.23-2	7.15.23-1.rhel8u9
254	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.15.23-2	7.15.23-1.rhel8u9
255	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.23-2	7.15.23-1.rhel8u9
256	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp058251.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.206.0 (C)	7.13.206.0
257	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp058251.exe	HPE Ethernet 10Gb 2-port 530T Adapter	7.13.206.0 (C)	7.13.206.0
258	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp058251.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.206.0 (C)	7.13.206.0
259	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.5.0	14.0.5.0
260	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.5.0	14.0.5.0
261	Intel i350 Driver for Windows Server 2022	cp061674.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.5.0	14.0.5.0
262	Intel i350 Driver for Windows Server 2022	cp061674.exe	Intel I350-T4 Ethernet 1Gb 4-port	14.0.5.0	14.0.5.0

			BASE-T OCP3 Adapter for HPE		
263	Intel i40ea Driver for Windows Server 2019	cp061671.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.164.0	1.19.164.0
264	Intel i40ea Driver for Windows Server 2019	cp061671.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.164.0	1.19.164.0
265	Intel i40ea Driver for Windows Server 2022	cp061672.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.165.0	1.19.165.0
266	Intel i40ea Driver for Windows Server 2022	cp061672.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.165.0	1.19.165.0
267	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
268	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
269	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	1.14.11-1	1.14.11-1.rhel8u9
270	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.14.11-1	1.14.11-1.rhel8u9
271	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
272	Intel ica Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0	1.15.121.0
273	Intel ica Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0	1.15.121.0
274	Intel ica Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
275	Intel ica Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
276	Intel ica Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.121.0	1.15.121.0
277	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0	1.15.121.0
278	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0	1.15.121.0
279	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
280	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
281	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.121.0	1.15.121.0
282	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2024.09.00	1.14.2.0-10EM.702.0.0.17630552

283	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2024.09.00	1.14.2.0-10EM.702.0.0.17630552
284	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA2 adapter	2024.09.00	1.14.2.0-10EM.702.0.0.17630552
285	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA2 OCP3 adapter	2024.09.00	1.14.2.0-10EM.702.0.0.17630552
286	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2024.09.00	1.14.2.0-10EM.702.0.0.17630552
287	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2024.09.00	1.14.2.0-10EM.800.1.0.20613240
288	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2024.09.00	1.14.2.0-10EM.800.1.0.20613240
289	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA2 adapter	2024.09.00	1.14.2.0-10EM.800.1.0.20613240
290	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA2 OCP3 adapter	2024.09.00	1.14.2.0-10EM.800.1.0.20613240
291	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2024.09.00	1.14.2.0-10EM.800.1.0.20613240
292	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.4.26429.0	24.4.26429.0
293	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.4.26429.0	24.4.26429.0
294	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.4.26429.0	24.4.26429.0
295	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.4.26429.0	24.4.26429.0
296	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.4.26429.0	24.4.26429.0
297	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.4.26429.0	24.4.26429.0
298	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.4.26429.0	24.4.26429.0
299	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.4.26429.0	24.4.26429.0
300	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	MLX MCX631102 10/25GbE 2p SFP28	24.4.26429.0	24.4.26429.0

			Adptr		
301	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.4.26429.0	24.4.26429.0
302	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
303	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
304	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F- ACAT Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
305	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A- ACAI OCP3 Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
306	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE 100GbE 1p QSFP28 MCX515A- CCAT Adptr	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
307	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS- CDAT Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
308	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 25Gb 2-port 640 FLR- SFP28 Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
309	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
310	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
311	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
312	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2024.05.28	4.22.73.1006- 10EM.703.0.0 .18644231
313	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2023.09.20	4.25.0.703- 10EM.703.0.0 .18644231
314	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.20	4.25.0.703- 10EM.703.0.0 .18644231
315	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F- ACAT Adapter	2023.09.20	4.25.0.703- 10EM.703.0.0 .18644231
316	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A- ACAI OCP3 Adapter	2023.09.20	4.25.0.703- 10EM.703.0.0 .18644231
317	net-mst kernel module driver component for VMware ESXi 7.0	cp058585.zip	HPE 100GbE 1p QSFP28 MCX515A-	2023.09.20	4.25.0.703- 10EM.703.0.0

	Update 3		CCAT Adptr		.18644231
318	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231
319	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231
320	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231
321	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231
322	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231
323	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2023.09.20	4.25.0.703-10EM.703.0.0 .18644231

6.2.5 Driver - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
324	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
325	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
326	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
327	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
328	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-10EM.700.1.0 .15843807
329	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-10EM.700.1.0 .15843807
330	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-10EM.700.1.0 .15843807
331	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-10EM.700.1.0 .15843807
332	HPE MR416i-p, MR416i-o, MR216i-o,	cp057484.zip	Broadcom MR416i-	2023.12.01	7.726.02.00-

	MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0		p Cntrl for HPE Gen10+		1OEM.800.1.0 .20613240
333	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00- 1OEM.800.1.0 .20613240
334	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00- 1OEM.800.1.0 .20613240
335	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00- 1OEM.800.1.0 .20613240
336	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
337	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
338	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
339	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
340	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
341	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
342	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
343	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
344	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
345	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
346	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
347	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
348	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere	cp059501.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0

	7.0 (Driver Component).				.15843807
349	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 10EM.700.1.0 .15843807
350	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	70.4672.0.104 - 10EM.700.1.0 .15843807
351	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	70.4672.0.104 - 10EM.700.1.0 .15843807
352	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
353	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
354	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
355	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
356	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
357	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
358	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
359	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 10EM.800.1.0 .20613240
360	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
361	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
362	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
363	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
364	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
365	HPE ProLiant Gen10, Gen10Plus and	kmod-smartpqi-2.1.30-	HPE Smart Array	2.1.30-031	2.1.30-

	Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	031.rhel8u9.x86_64.rpm	E208i-p SR Gen10 Controller		031.rhel8u9
366	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.30-031	2.1.30-031.rhel8u9
367	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.30-031	2.1.30-031.rhel8u9
368	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P408i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
369	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P408i-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
370	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P816i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
371	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
372	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
373	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208i-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
374	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	Microchip SR932i-p Cntrl for HPE Gen10+	1010.108.0.1015	1010.108.0.1015
375	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	Microchip SR416i-a Cntrl for HPE Gen10+	1010.108.0.1015	1010.108.0.1015

6.2.6 Driver - Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
376	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
377	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
378	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
379	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
380	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver	cp061881.exe	HPE SN1610E 32Gb 1-port Fibre	14.4.313.0	14.4.313.0

	for Microsoft Windows Server 2019		Channel Host Bus Adapter		
381	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
382	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
383	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
384	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
385	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
386	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
387	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
388	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
389	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
390	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
391	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
392	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
393	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
394	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
395	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
396	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20

397	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
398	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
399	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
400	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
401	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
402	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
403	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
404	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
405	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
406	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
407	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
408	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
409	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
410	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
411	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9

6.2.7 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
412	iLO 5 Automatic Server Recovery	cp060559.exe	-	4.7.1.0 (E)	4.7.1.0

	Driver for Microsoft Windows Server 2016 and 2019				
413	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp062281.exe	-	4.7.1.0 (F)	4.7.1.0
414	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019	cp060558.exe	-	4.7.1.0 (E)	4.7.1.0
415	iLO 5 Channel Interface Driver for Microsoft Windows Server 2022	cp062272.exe	-	4.7.1.0 (F)	4.7.1.0

6.2.8 Driver – Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
416	Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit	cp062504.exe	-	9.15.1.268	9.15.1.268

6.2.9 Firmware – Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
417	Language Pack - Japanese	cp062936.exe	-	3.07	3.07.03
418	Language Pack - Japanese	firmware-ilo5-lpk-jari11-3.07-1.1.x86_64.rpm	-	3.07	3.07.03
419	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-3.08-1.1.x86_64.rpm	-	3.08	3.08 Sep 12 2024
420	Online ROM Flash Component for Windows x64 - iLO 5	cp062786.exe	-	3.08	3.08 Sep 12 2024
421	Online ROM Flash Firmware Package - iLO 5	ilo5_308.fwpkg	-	3.08	3.08 Sep 12 2024

6.2.10 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
422	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 Adptr	230.1.123.0	230.1.123.0
423	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.1.123.0	230.1.123.0
424	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	230.1.123.0	230.1.123.0
425	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.1.123.0	230.1.123.0
426	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	230.1.123.0	230.1.123.0
427	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.1.123.0	230.1.123.0
428	Broadcom Firmware Package for BCM5750x adapters	bcm230.1.123.0_Thor.pup.fw pkg	BCM 57504 10/25GbE 4p SFP28 Adptr	230.1.123.0	230.1.123.0
429	Broadcom Firmware Package for BCM5750x adapters	bcm230.1.123.0_Thor.pup.fw pkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.1.123.0	230.1.123.0
430	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	2.38.0	20.30.41
431	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T	2.38.0	20.30.41

			OCP3 Adapter for HPE		
432	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	2.38.0	20.30.41
433	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.39.0	20.30.41
434	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.39.0	20.30.41
435	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.39.0	20.30.41
436	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.4.2.0	20.30.41
437	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.4.2.0	20.30.41
438	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.4.2.0	20.30.41
439	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	2.38.0	20.30.41
440	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.38.0	20.30.41
441	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.38.0	20.30.41
442	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.38.0	20.30.41
443	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.38.0	20.30.41
444	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.39.0	20.30.41
445	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.39.0	20.30.41
446	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.39.0	20.30.41
447	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.39.0	20.30.41
448	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.39.0	20.30.41
449	HPE Broadcom NX1 Online Firmware	cp062097.exe	HP Ethernet 1Gb 2-	5.4.2.0	20.30.41

	Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only		port 332i Adapter (22E8)		
450	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.4.2.0	20.30.41
451	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.4.2.0	20.30.41
452	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.4.2.0	20.30.41
453	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.4.2.0	20.30.41
454	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.1.123000	230.1.123000
455	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.1.123000	230.1.123000
456	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.1.123000	230.1.123000
457	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535T Adapter	230.1.123000	230.1.123000
458	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.1.123000	230.1.123000
459	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.1.123000	230.1.123000
460	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.31.0	1.3612.0
461	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	1.31.0	1.3612.0
462	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	1.31.0	1.3612.0
463	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	1.31.0	1.3612.0
464	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.31.0	1.3612.0
465	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.31.0	1.3612.0
466	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.31.0	1.3612.0
467	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.31.0	1.3612.0
468	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	1.31.0	1.3612.0
469	HPE Intel Online Firmware Upgrade	CP061687.zip	HPE Ethernet 1Gb	3.24.0	1.3612.0

	Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.		4-port 369i Adapter		
470	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 2-port 361T Adapter	3.24.0	1.3612.0
471	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	3.24.0	1.3612.0
472	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 4-port 366T Adapter	3.24.0	1.3612.0
473	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.24.0	1.3612.0
474	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.24.0	1.3612.0
475	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.24.0	1.3612.0
476	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.24.0	1.3612.0
477	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 2-port 361i Adapter	3.24.0	1.3612.0
478	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.4.2.0	1.3612.0
479	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 2-port 361T Adapter	5.4.2.0	1.3612.0
480	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.4.2.0	1.3612.0
481	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 366T Adapter	5.4.2.0	1.3612.0
482	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.4.2.0	1.3612.0
483	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.4.2.0	1.3612.0
484	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.4.2.0	1.3612.0
485	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.4.2.0	1.3612.0
486	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 2-port 361i Adapter	5.4.2.0	1.3612.0
487	HPE QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.65.14_pldm.fwpkg	HPE Ethernet 10Gb 2-port 521T Adapter	8.65.14	8.65.14
488	HPE QLogic NX2 Online Firmware	firmware-nic-qlogic-	HPE Ethernet 10Gb	2.35.0	7.19.27

	Upgrade Utility for Linux x86_64	nx2-2.35.0-1.1.x86_64.rpm	2-port 530SFP+ Adapter		
489	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.35.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	2.35.0	7.19.27
490	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.35.0-1.1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.35.0	7.19.27
491	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	1.35.0	7.19.27
492	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE Ethernet 10Gb 2-port 530T Adapter	1.35.0	7.19.27
493	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.35.0	7.19.27
494	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	5.3.7.0	7.19.27
495	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE Ethernet 10Gb 2-port 530T Adapter	5.3.7.0	7.19.27
496	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.3.7.0	7.19.27
497	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p50_PLDMoMCTP_8001D8B6.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.50	4.50
498	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p50_NCSiwPLDMoMCTP_8001D8BC.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.50	4.50
499	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p50_PLDMoMCTP_8001D8BA.fwpkg	Intel E810-XXVDA2 adapter	4.50	4.50
500	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p50_NCSiwPLDMoMCTP_8001D8B3.fw pkg	Intel E810-XXVDA2 OCP3 adapter	4.50	4.50
501	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p50_PLDMoMCTP_8001D8B5.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.50	4.50
502	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.31.0	1.3602.0
503	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.31.0	1.3602.0
504	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.31.0	1.3602.0
505	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.31.0	1.3602.0
506	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.24.0	1.3602.0
507	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.24.0	1.3602.0
508	Intel Online Firmware Upgrade Utility	CP061688.zip	Intel I350-T4	3.24.0	1.3602.0

	for VMware		Ethernet 1Gb 4-port BASE-T Adapter for HPE		
509	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	3.24.0	1.3602.0
510	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.4.2.0	1.3602.0
511	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.4.2.0	1.3602.0
512	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.4.2.0	1.3602.0
513	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.4.2.0	1.3602.0
514	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_41_1000-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.41.1000	26.41.1000
515	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_41_1000-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.41.1000	26.41.1000
516	Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21	16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fwpkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.4030	16.35.4030
517	Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21	20_41_1000-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.41.1000	20.41.1000
518	Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	16_35_3502-MCX562A-ACA_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	16.35.3502	16.35.3502
519	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_41_1000-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.41.1000	22.41.1000
520	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16_35_3502-MCX512F-ACH_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16.35.3502	16.35.3502
521	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP061399.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.8	16.35.3502
522	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP061399.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.8	16.35.3502
523	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0	CP062766.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.7	12.28.2006
524	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet	CP062578.zip	HPE InfiniBand HDR100/Ethernet	1.0.8	20.41.1000

	and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0		100Gb 2-port 940QSFP56 x16 Adapter		
525	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters	CP061398.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.4	16.35.3502
526	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters	CP061398.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.4	16.35.3502
527	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0	CP062767.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.3	12.28.2006
528	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0	CP060998.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.4	20.41.1000
529	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.21-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.21	16.35.3502
530	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.21-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.21	16.35.3502
531	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx4-1.0.16-1.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.16	12.28.2006
532	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx6-mft-1.0.14-1.1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.14	20.41.1000
533	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp062830.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.21 (A)	16.35.3502
534	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp062830.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.21 (A)	16.35.3502
535	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp062768.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.15	12.28.2006
536	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform	cp062577.exe	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0.10	20.41.1000

6.2.11 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
537	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-4.1.x86_64.rpm	EO000800KYDLA	HPK4 (D)	HPK4
538	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-4.1.x86_64.rpm	EO000400KYDKV	HPK4 (D)	HPK4
539	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	ET000750KWJTF	4ICSHPK4 (J)	4ICSHPK4

540	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	EO000375KWJUC	4ICSHPK4 (J)	4ICSHPK4
541	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	EO000750KWTXC	4ICSHPK4 (J)	4ICSHPK4
542	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL7T68	GPK7 (D)	GPK7
543	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL6T40	GPK7 (D)	GPK7
544	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL1T60	GPK7 (D)	GPK7
545	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL800G	GPK7 (D)	GPK7
546	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL3T20	GPK7 (D)	GPK7
547	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL960G	GPK7 (D)	GPK7
548	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL1T92	GPK7 (D)	GPK7
549	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL3T84	GPK7 (D)	GPK7
550	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G,	firmware-hdd-6fc985bd3b-GPK7-	KCD6XVUL12T8	GPK7 (D)	GPK7

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	4.1.x86_64.rpm			
551	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL15T3	GPK7 (D)	GPK7
552	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FRUL1T92	GPK5 (D)	GPK5
553	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FRUL3T84	GPK5 (D)	GPK5
554	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FVUL3T20	GPK5 (D)	GPK5
555	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FVUL1T60	GPK5 (D)	GPK5
556	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL960G	GPK7 (D)	GPK7
557	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (D)	GPK7
558	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL1T92	GPK7 (D)	GPK7
559	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL3T20	GPK7 (D)	GPK7
560	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL3T84	GPK7 (D)	GPK7
561	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL800G	GPK7 (D)	GPK7
562	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G,	firmware-hdd-3815d4b024-GPK7-	KCM6XVUL6T40	GPK7 (D)	GPK7

	KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	4.1.x86_64.rpm			
563	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL1T60	GPK7 (D)	GPK7
564	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK007680KWWFQ	HPK3 (L)	HPK3
565	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK006400KWWFK	HPK3 (L)	HPK3
566	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK003840KWWFP	HPK3 (L)	HPK3
567	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK003200KWWFH	HPK3 (L)	HPK3
568	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK001920KWWFN	HPK3 (L)	HPK3
569	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK001600KWWFF	HPK3 (L)	HPK3
570	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK000960KWWFL	HPK3 (L)	HPK3

571	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK00800KWWFE	HPK3 (L)	HPK3
572	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO006400KVVND	HPK3 (H)	HPK3
573	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO003200KVVNC	HPK3 (H)	HPK3
574	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO001600KVVNB	HPK3 (H)	HPK3
575	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT001600KWSTB	HPK3 (H)	HPK3
576	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT003200KWSTC	HPK3 (H)	HPK3
577	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT006400KWSTD	HPK3 (H)	HPK3
578	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ6T4HALA-000H3	EPK76H3Q (E)	EPK76H3Q
579	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ3T2HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
580	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ1T6HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
581	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL515THALA-000H3	MPK78H5Q	MPK78H5Q

	MZXL515THALA-00H3 Driv				
582	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL512THALA-000H3	MPK78H5Q	MPK78H5Q
583	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL57T6HALA-000H3	MPK78H5Q	MPK78H5Q
584	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
585	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
586	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q
587	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q

	MZXL515THALA-00H3 Driv				
588	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q
589	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL5960HBHQ-000H3	MPK78H5Q	MPK78H5Q
590	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
591	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO000960KWUEA	HPK3	HPK3
592	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO001920KWUEB	HPK3	HPK3
593	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO003840KWUEC	HPK3	HPK3
594	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO007680KWUED	HPK3	HPK3

595	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO015360KWUEE	HPK3	HPK3
596	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO000800KWUDR	HPK3	HPK3
597	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO001600KWUDT	HPK3	HPK3
598	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO003200KWUDU	HPK3	HPK3
599	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO006400KWUDV	HPK3	HPK3
600	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO000960KWVBR	HPK3	HPK3
601	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO003840KWVBU	HPK3	HPK3
602	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO001920KWVBT	HPK3	HPK3
603	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO000960KXAVL	HPK5 (F)	HPK5
604	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO000800KXAVN	HPK5 (F)	HPK5
605	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL,	firmware-hdd-035a863453-HPK5-	MO001600KXAVT	HPK5 (F)	HPK5

	VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	6.1.x86_64.rpm			
606	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO003200KXAVU	HPK5 (F)	HPK5
607	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO006400KXAVV	HPK5 (F)	HPK5
608	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO003840KXAVQ	HPK5 (F)	HPK5
609	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO007680KXAVR	HPK5 (F)	HPK5
610	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO001920KXAVP	HPK5 (F)	HPK5
611	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO007680KWVMV	HPK3 (H)	HPK3
612	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO003840KWVMU	HPK3 (H)	HPK3
613	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO001920KWVMT	HPK3 (H)	HPK3
614	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	VO003840KWZQT	HPK7 (D)	HPK7
615	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	VO001920KWZQR	HPK7 (D)	HPK7
616	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	MO001600KWZQP	HPK7 (D)	HPK7
617	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	MO003200KWZQQ	HPK7 (D)	HPK7
618	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO001600KYDMU	HPK5 (C)	HPK5

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
619	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO006400KYDND	HPK5 (C)	HPK5
620	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO015360KYDNB	HPK5 (C)	HPK5
621	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO007680KYDNA	HPK5 (C)	HPK5
622	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO003200KYDNC	HPK5 (C)	HPK5
623	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO001920KYDMT	HPK5 (C)	HPK5
624	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO003840KYDMV	HPK5 (C)	HPK5
625	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	VO002000KWVVC	4ICRHPK3 (J)	4ICRHPK3
626	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	VO004000KWVUR	4ICRHPK3 (J)	4ICRHPK3
627	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO001600KWVUU	4ICRHPK3 (J)	4ICRHPK3
628	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR,	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO003200KWVUV	4ICRHPK3 (J)	4ICRHPK3

	MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives				
629	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO006400KWVVA	4ICRHPK3 (J)	4ICRHPK3
630	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS003840KWXFQ	85032G00 (G)	85032G00
631	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS001920KWXFP	85032G00 (G)	85032G00
632	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS000960KWXFN	85032G00 (G)	85032G00
633	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS000480KXALB	85032G00 (G)	85032G00
634	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR12THALA-000H3	MPK7825Q	MPK7825Q
635	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR15THALA-000H3	MPK7825Q	MPK7825Q
636	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR7T6HALA-000H3	MPK7825Q	MPK7825Q
637	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3,	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR1T6HBJR-000H3	MPK7825Q	MPK7825Q

	MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
638	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR800HBHQ-000H3	MPK7825Q	MPK7825Q
639	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR3T2HBL5-000H3	MPK7825Q	MPK7825Q
640	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
641	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q
642	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR3T8HBL5-000H3	MPK7825Q	MPK7825Q
643	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3,	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q

	MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
644	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP061553.zip	EO000800KYDLA	HPK4 (C)	HPK4
645	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP061553.zip	EO000400KYDKV	HPK4 (C)	HPK4
646	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	ET000750KWJTF	4ICSHPK4 (G)	4ICSHPK4
647	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	EO000375KWJUC	4ICSHPK4 (G)	4ICSHPK4
648	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	EO000750KWTXC	4ICSHPK4 (G)	4ICSHPK4
649	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL7T68	GPK7 (B)	GPK7
650	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL6T40	GPK7 (B)	GPK7
651	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL1T60	GPK7 (B)	GPK7
652	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL800G	GPK7 (B)	GPK7
653	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL3T20	GPK7 (B)	GPK7
654	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL12T8	GPK7 (B)	GPK7
655	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20,	CP061360.zip	KCD6XLUL960G	GPK7 (B)	GPK7

	KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
656	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL1T92	GPK7 (B)	GPK7
657	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL3T84	GPK7 (B)	GPK7
658	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL15T3	GPK7 (B)	GPK7
659	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FRUL1T92	GPK5 (B)	GPK5
660	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FRUL3T84	GPK5 (B)	GPK5
661	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FVUL3T20	GPK5 (B)	GPK5
662	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FVUL1T60	GPK5 (B)	GPK5
663	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL960G	GPK7 (B)	GPK7
664	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL7T68	GPK7 (B)	GPK7
665	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL1T92	GPK7 (B)	GPK7
666	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL3T20	GPK7 (B)	GPK7
667	Online NVMe SSD Flash Component	CP061344.zip	KCM6XRUL3T84	GPK7 (B)	GPK7

	for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
668	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL800G	GPK7 (B)	GPK7
669	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL6T40	GPK7 (B)	GPK7
670	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL1T60	GPK7 (B)	GPK7
671	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK007680KWWFQ	HPK3 (G)	HPK3
672	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK006400KWWFK	HPK3 (G)	HPK3
673	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK003840KWWFP	HPK3 (G)	HPK3
674	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK003200KWWFH	HPK3 (G)	HPK3
675	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK001920KWWFN	HPK3 (G)	HPK3
676	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF,	CP061567.zip	MK001600KWWFF	HPK3 (G)	HPK3

	MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
677	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK000960KWWFL	HPK3 (G)	HPK3
678	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK00800KWWFE	HPK3 (G)	HPK3
679	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO006400KVVND	HPK3 (F)	HPK3
680	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO003200KVVNC	HPK3 (F)	HPK3
681	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO001600KVVNB	HPK3 (F)	HPK3
682	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT001600KWSTB	HPK3 (F)	HPK3
683	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT003200KWSTC	HPK3 (F)	HPK3
684	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT006400KWSTD	HPK3 (F)	HPK3
685	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR- 000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP061574.zip	MZPLJ1T6HBJR- 000H3	EPK76H3Q (F)	EPK76H3Q
686	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR- 000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP061574.zip	MZPLJ6T4HALA- 000H3	EPK76H3Q (F)	EPK76H3Q
687	Online NVMe SSD Flash Component	CP061574.zip	MZPLJ3T2HBJR-	EPK76H3Q (F)	EPK76H3Q

	for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives		000H3		
688	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL515THALA-000H3	MPK78H5Q	MPK78H5Q
689	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL512THALA-000H3	MPK78H5Q	MPK78H5Q
690	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL57T6HALA-000H3	MPK78H5Q	MPK78H5Q
691	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
692	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
693	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3,	CP062661.zip	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q

	MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
694	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q
695	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
696	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q
697	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP062661.zip	MZXL5960HBHQ-000H3	MPK78H5Q	MPK78H5Q
698	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR12THALA-000H3	MPK7825Q	MPK7825Q
699	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3,	CP062662.zip	MZXLR15THALA-000H3	MPK7825Q	MPK7825Q

	MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
700	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR7T6HALA-000H3	MPK7825Q	MPK7825Q
701	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR1T6HBJR-000H3	MPK7825Q	MPK7825Q
702	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR800HBHQ-000H3	MPK7825Q	MPK7825Q
703	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR3T2HBL5-000H3	MPK7825Q	MPK7825Q
704	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
705	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3,	CP062662.zip	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q

	MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
706	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR3T8HBL5-000H3	MPK7825Q	MPK7825Q
707	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q
708	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO000960KWUEA	HPK3	HPK3
709	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO001920KWUEB	HPK3	HPK3
710	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO003840KWUEC	HPK3	HPK3
711	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO007680KWUED	HPK3	HPK3
712	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO015360KWUEE	HPK3	HPK3
713	Online NVMe SSD Flash Component	CP062181.zip	MO000800KWUDR	HPK3	HPK3

	for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
714	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO001600KWUDT	HPK3	HPK3
715	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO003200KWUDU	HPK3	HPK3
716	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO006400KWUDV	HPK3	HPK3
717	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO000960KWVBR	HPK3	HPK3
718	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO001920KWVBT	HPK3	HPK3
719	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO003840KWVBU	HPK3	HPK3
720	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO000960KXAVL	HPK5 (D)	HPK5
721	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO000800KXAVN	HPK5 (D)	HPK5
722	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO001600KXAVT	HPK5 (D)	HPK5
723	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU	CP061333.zip	MO003200KXAVU	HPK5 (D)	HPK5

	and MO006400KXAVV Drives				
724	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO006400KXAVV	HPK5 (D)	HPK5
725	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO003840KXAVQ	HPK5 (D)	HPK5
726	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO007680KXAVR	HPK5 (D)	HPK5
727	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO001920KXAVP	HPK5 (D)	HPK5
728	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO007680KWVMV	HPK3 (F)	HPK3
729	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO003840KWVMU	HPK3 (F)	HPK3
730	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO001920KWVMT	HPK3 (F)	HPK3
731	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	VO003840KWZQT	HPK7 (C)	HPK7
732	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	VO001920KWZQR	HPK7 (C)	HPK7
733	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	MO001600KWZQP	HPK7 (C)	HPK7
734	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	MO003200KWZQQ	HPK7 (C)	HPK7
735	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO001920KYDMT	HPK5 (B)	HPK5
736	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and	CP061338.zip	VO003840KYDMV	HPK5 (B)	HPK5

	VO015360KYDNB Drives				
737	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	MO001600KYDMU	HPK5 (B)	HPK5
738	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	MO006400KYDND	HPK5 (B)	HPK5
739	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO015360KYDNB	HPK5 (B)	HPK5
740	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO007680KYDNA	HPK5 (B)	HPK5
741	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	MO003200KYDNC	HPK5 (B)	HPK5
742	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO006400KWVVA	4ICRHPK3 (G)	4ICRHPK3
743	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	VO004000KWVUR	4ICRHPK3 (G)	4ICRHPK3
744	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO003200KWVUV	4ICRHPK3 (G)	4ICRHPK3
745	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	VO002000KWVVC	4ICRHPK3 (G)	4ICRHPK3
746	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO001600KWVUU	4ICRHPK3 (G)	4ICRHPK3

747	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWPFN, VS001920KWFP and VS003840KWXFQ Drives	CP061653.zip	VS003840KWXFQ	85032G00 (D)	85032G00
748	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWPFN, VS001920KWFP and VS003840KWXFQ Drives	CP061653.zip	VS001920KWFP	85032G00 (D)	85032G00
749	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWPFN, VS001920KWFP and VS003840KWXFQ Drives	CP061653.zip	VS000960KWPFN	85032G00 (D)	85032G00
750	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWPFN, VS001920KWFP and VS003840KWXFQ Drives	CP061653.zip	VS000480KXALB	85032G00 (D)	85032G00
751	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp061543.exe	EO000800KYDLA	HPK4 (C)	HPK4
752	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp061543.exe	EO000400KYDKV	HPK4 (C)	HPK4
753	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	ET000750KWJTF	4ICSHPK4 (G)	4ICSHPK4
754	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	EO000375KWJUC	4ICSHPK4 (G)	4ICSHPK4
755	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	EO000750KWTXC	4ICSHPK4 (G)	4ICSHPK4
756	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL7T68	GPK7 (B)	GPK7
757	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL6T40	GPK7 (B)	GPK7
758	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL1T60	GPK7 (B)	GPK7
759	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL800G	GPK7 (B)	GPK7
760	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	cp061384.exe	KCD6XVUL3T20	GPK7 (B)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
761	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL12T8	GPK7 (B)	GPK7
762	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL960G	GPK7 (B)	GPK7
763	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL1T92	GPK7 (B)	GPK7
764	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL3T84	GPK7 (B)	GPK7
765	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL15T3	GPK7 (B)	GPK7
766	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FRUL1T92	GPK5 (B)	GPK5
767	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FRUL3T84	GPK5 (B)	GPK5
768	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FVUL3T20	GPK5 (B)	GPK5
769	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FVUL1T60	GPK5 (B)	GPK5
770	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL960G	GPK7 (B)	GPK7
771	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL7T68	GPK7 (B)	GPK7

772	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL1T92	GPK7 (B)	GPK7
773	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL3T20	GPK7 (B)	GPK7
774	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL3T84	GPK7 (B)	GPK7
775	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL800G	GPK7 (B)	GPK7
776	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL6T40	GPK7 (B)	GPK7
777	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL1T60	GPK7 (B)	GPK7
778	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK007680KWWFQ	HPK3 (G)	HPK3
779	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK006400KWWFK	HPK3 (G)	HPK3
780	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK003840KWWFP	HPK3 (G)	HPK3
781	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE,	cp061542.exe	MK003200KWWFH	HPK3 (G)	HPK3

	MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
782	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK001920KWWFN	HPK3 (G)	HPK3
783	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK001600KWWFF	HPK3 (G)	HPK3
784	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK000960KWWFL	HPK3 (G)	HPK3
785	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK000800KWWFE	HPK3 (G)	HPK3
786	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO006400KVVND	HPK3 (F)	HPK3
787	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO003200KVVNC	HPK3 (F)	HPK3
788	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO001600KVVNB	HPK3 (F)	HPK3
789	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB,	cp061516.exe	MT001600KWSTB	HPK3 (F)	HPK3

	MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives				
790	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MT003200KWSTC	HPK3 (F)	HPK3
791	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MT006400KWSTD	HPK3 (F)	HPK3
792	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR- 000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ1T6HBJR- 000H3	EPK76H3Q (E)	EPK76H3Q
793	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR- 000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ6T4HALA- 000H3	EPK76H3Q (E)	EPK76H3Q
794	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR- 000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ3T2HBJR- 000H3	EPK76H3Q (E)	EPK76H3Q
795	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL5960HBHQ- 000H3	MPK78H5Q	MPK78H5Q
796	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL515THALA- 000H3	MPK78H5Q	MPK78H5Q
797	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL512THALA- 000H3	MPK78H5Q	MPK78H5Q
798	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ- 000H3, MZXL51T6HBJR-000H3,	cp062663.exe	MZXL57T6HALA- 000H3	MPK78H5Q	MPK78H5Q

	MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive				
799	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
800	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
801	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q
802	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q
803	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp062663.exe	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
804	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3,	cp062663.exe	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q

	MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive				
805	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-000H3, MZXL7T6HALA-000H3 and MZXL15THALA-0 Drive	cp062664.exe	MZXL12THALA-000H3	MPK7825Q	MPK7825Q
806	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-000H3, MZXL7T6HALA-000H3 and MZXL15THALA-0 Drive	cp062664.exe	MZXL15THALA-000H3	MPK7825Q	MPK7825Q
807	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-000H3, MZXL7T6HALA-000H3 and MZXL15THALA-0 Drive	cp062664.exe	MZXL7T6HALA-000H3	MPK7825Q	MPK7825Q
808	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-000H3, MZXL7T6HALA-000H3 and MZXL15THALA-0 Drive	cp062664.exe	MZXL1T6HBJR-000H3	MPK7825Q	MPK7825Q
809	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3, MZXL3T2HBLS-000H3, MZXL6T4HALA-000H3, MZXL12THALA-000H3, MZXL960HBHQ-000H3, MZXL1T9HBJR-000H3, MZXL3T8HBLS-000H3, MZXL7T6HALA-000H3 and MZXL15THALA-0 Drive	cp062664.exe	MZXL800HBHQ-000H3	MPK7825Q	MPK7825Q
810	Online NVMe SSD Flash Component for Windows (x64) - MZXL800HBHQ-000H3, MZXL1T6HBJR-000H3,	cp062664.exe	MZXL3T2HBLS-000H3	MPK7825Q	MPK7825Q

	MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive				
811	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
812	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q
813	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR3T8HBLS-000H3	MPK7825Q	MPK7825Q
814	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q
815	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO000960KWUEA	HPK3	HPK3
816	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE,	cp062182.exe	VO001920KWUEB	HPK3	HPK3

	MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
817	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO003840KWUEC	HPK3	HPK3
818	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO007680KWUED	HPK3	HPK3
819	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO015360KWUEE	HPK3	HPK3
820	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO000800KWUDR	HPK3	HPK3
821	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO001600KWUDT	HPK3	HPK3
822	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO003200KWUDU	HPK3	HPK3
823	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and	cp062182.exe	MO006400KWUDV	HPK3	HPK3

	MO006400KWUDV Drives				
824	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp062185.exe	VO000960KWVBR	HPK3	HPK3
825	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp062185.exe	VO001920KWVBT	HPK3	HPK3
826	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp062185.exe	VO003840KWVBU	HPK3	HPK3
827	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO000960KXAVL	HPK5 (E)	HPK5
828	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO000800KXAVN	HPK5 (E)	HPK5
829	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO001600KXAVT	HPK5 (E)	HPK5
830	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO003200KXAVU	HPK5 (E)	HPK5
831	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO006400KXAVV	HPK5 (E)	HPK5
832	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO003840KXAVQ	HPK5 (E)	HPK5
833	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO007680KXAVR	HPK5 (E)	HPK5
834	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO001920KXAVP	HPK5 (E)	HPK5
835	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp061518.exe	VO007680KWVMV	HPK3 (F)	HPK3

836	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp061518.exe	VO003840KWVMU	HPK3 (F)	HPK3
837	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp061518.exe	VO001920KWVMT	HPK3 (F)	HPK3
838	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	VO003840KWZQT	HPK7 (C)	HPK7
839	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	VO001920KWZQR	HPK7 (C)	HPK7
840	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	MO001600KWZQP	HPK7 (C)	HPK7
841	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	MO003200KWZQQ	HPK7 (C)	HPK7
842	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO001600KYDMU	HPK5 (B)	HPK5
843	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO006400KYDND	HPK5 (B)	HPK5
844	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO015360KYDNB	HPK5 (B)	HPK5
845	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO007680KYDNA	HPK5 (B)	HPK5
846	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO003200KYDNC	HPK5 (B)	HPK5
847	Online NVMe SSD Flash Component	cp061409.exe	VO001920KYDMT	HPK5 (B)	HPK5

	for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
848	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO003840KYDMV	HPK5 (B)	HPK5
849	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO006400KWVVA	4ICRHPK3 (G)	4ICRHPK3
850	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	VO004000KWVUR	4ICRHPK3 (G)	4ICRHPK3
851	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO003200KWVUV	4ICRHPK3 (G)	4ICRHPK3
852	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	VO002000KWVVC	4ICRHPK3 (G)	4ICRHPK3
853	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO001600KWVUU	4ICRHPK3 (G)	4ICRHPK3
854	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS000480KXALB	85032G00 (E)	85032G00
855	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS003840KWXFQ	85032G00 (E)	85032G00
856	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS001920KWXFP	85032G00 (E)	85032G00
857	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS000960KWXFN	85032G00 (E)	85032G00
858	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	MO000800KXPRV	HPK2	HPK2
859	Universal Firmware Package for Drives	SKHynix_PE81X0_KPE81	MO001600KXPTR	HPK2	HPK2

	- MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	X0AHPK2.fwpkg			
860	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	MO003200KXPTT	HPK2	HPK2
861	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	MO006400KXPTU	HPK2	HPK2
862	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	VO000960KXPRU	HPK2	HPK2
863	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	VO001920KXPTN	HPK2	HPK2
864	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	VO003840KXPTP	HPK2	HPK2
865	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81 X0AHPK2.fwpkg	VO007680KXPTQ	HPK2	HPK2
866	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	MO000800KXUJT	HPK2	HPK2
867	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	MO001600KXUJU	HPK2	HPK2
868	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	MO003200KXUJV	HPK2	HPK2
869	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	MO006400KXUKA	HPK2	HPK2
870	Universal Firmware Package for Drives	Kioxia_CD8_KACD8ALS	VO000960KXUJN	HPK2	HPK2

	- MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	HPK2.fwpkg			
871	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	VO001920KXUJP	HPK2	HPK2
872	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	VO003840KXUJQ	HPK2	HPK2
873	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	VO007680KXUJR	HPK2	HPK2
874	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALS HPK2.fwpkg	VO015360KYGZQ	HPK2	HPK2
875	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7 500_M7500ALLHPK1.fw pkg	MO006400KYDZU	HPK1	HPK1
876	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7 500_M7500ALLHPK1.fw pkg	MO003200KYDZT	HPK1	HPK1
877	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7 500_M7500ALLHPK1.fw pkg	MO001600KYDZR	HPK1	HPK1
878	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7 500_M7500ALLHPK1.fw pkg	MO000800KYDZK	HPK1	HPK1
879	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7 500_M7500ALLHPK1.fw pkg	VO007680KYDZP	HPK1	HPK1
880	Universal Firmware Package for Drives - MO000800KYDZK,	Micron_7500_Micron_7 500_M7500ALLHPK1.fw	VO003840KYDZN	HPK1	HPK1

	MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	pkg			
881	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fw pkg	VO001920KYDZL	HPK1	HPK1
882	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fw pkg	VO000960KYDZH	HPK1	HPK1
883	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fw pkg	VO001536KYDZQ	HPK1	HPK1
884	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	MO001600KZYWU	HPK5	HPK5
885	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	MO003200KZYXB	HPK5	HPK5
886	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	MO006400KZYXC	HPK5	HPK5
887	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	VO001920KZYWT	HPK5	HPK5
888	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	VO003840KZYWV	HPK5	HPK5
889	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	VO007680KZYXA	HPK5	HPK5
890	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK000960KYDPT	HPK4	HPK4
891	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK001920KYDPU	HPK4	HPK4
892	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK003840KYDPV	HPK4	HPK4

	VK003840KYDPV and VK007680KYDQA				
893	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9 A3U3HPK4.fwpkg	VK007680KYDQA	HPK4	HPK4
894	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	VO001920KXNZQ	HPS3	HPS3
895	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	VO003840KXNZR	HPS3	HPS3
896	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	VO007680KXNZT	HPS3	HPS3
897	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	MO000800KXNXH	HPS3	HPS3
898	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	MO001600KXNZV	HPS3	HPS3
899	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	MO003200KXPAA	HPS3	HPS3
900	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	MO006400KXPAB	HPS3	HPS3
901	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7 450_M7450ALLHPS3.fw pkg	VO000960KXNXD	HPS3	HPS3
902	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_PM9 A3M2HPK3.fwpkg	VR000480KXLXF	HPK3	HPK3

6.2.12 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
903	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/61 00/6200/8100/8200 series Processors	cp062648.exe	Innovation Engine (IE) Firmware	0.2.3.0 (C)	0.2.3.0

904	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	firmware-powerpic-1.1.4-2.1.x86_64.rpm	Gen10 Plus Power Management Controller Firmware	1.1.4 (B)	1.1.4
905	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	cp062654.exe	Gen10 Plus Power Management Controller Firmware	1.1.4 (B)	1.1.4
906	Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp053858.exe	Innovation Engine (IE) Firmware	1.0.0.22 (B)	1.0.0.22
907	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	PICFW-1.1.4-1.fwpkg	Gen10 Plus Power Management Controller Firmware	1.1.4	1.1.4

6.2.13 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
908	*REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDB-1.1.x86_64.rpm	EH000600JWCPF	HPDB	HPDB
909	*REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDB-1.1.x86_64.rpm	EH000900JWCPH	HPDB	HPDB
910	*REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP054905.zip	EH000600JWCPF	HPDB	HPDB
911	*REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP054905.zip	EH000900JWCPH	HPDB	HPDB
912	*REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp052997.exe	EH000600JWCPF	HPDB	HPDB
913	*REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp052997.exe	EH000900JWCPH	HPDB	HPDB
914	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive	firmware-hdd-2e4c61fc63-HPD5-7.1.x86_64.rpm	EG000300JWBHR	HPD5 (G)	HPD5
915	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive	firmware-hdd-c5cd837c29-HPD3-7.1.x86_64.rpm	EG000300JWFVB	HPD3 (G)	HPD3
916	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG001200JWJNK	HPD5 (F)	HPD5
917	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG000600JWJNH	HPD5 (F)	HPD5

918	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG000300JWSJP	HPD5 (F)	HPD5
919	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-7.1.x86_64.rpm	EG001200JWFVA	HPD4 (G)	HPD4
920	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-7.1.x86_64.rpm	EG000600JWFUV	HPD4 (G)	HPD4
921	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200JWJNQ	HPD8 (C)	HPD8
922	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG000600JWJNP	HPD8 (C)	HPD8
923	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200MXJQU	HPD8 (C)	HPD8
924	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG000600JXLVV	HPD8 (C)	HPD8
925	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200JXLWA	HPD8 (C)	HPD8
926	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive	firmware-hdd-693b9a2853-HPD4-7.1.x86_64.rpm	EG001800JWFVC	HPD4 (G)	HPD4
927	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-6.1.x86_64.rpm	EG002400JWJNN	HPD5 (F)	HPD5
928	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-6.1.x86_64.rpm	EG001800JWJNL	HPD5 (F)	HPD5
929	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG001800JWJNR	HPDA (D)	HPDA
930	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG002400JWJNT	HPDA (D)	HPDA
931	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG002400MXJQT	HPDA (D)	HPDA
932	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG001800JXLWB	HPDA (D)	HPDA
933	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR,	firmware-hdd-b1c9eaf74c-HPDA-	EG002400JXLWC	HPDA (D)	HPDA

	EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	4.1.x86_64.rpm			
934	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG1200JETKC	HPD8 (G)	HPD8
935	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG0600JETKA	HPD8 (G)	HPD8
936	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG0900JETKB	HPD8 (G)	HPD8
937	Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive	firmware-hdd-7fc5497116-HPD8-7.1.x86_64.rpm	EG1800JFHMH	HPD8 (G)	HPD8
938	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-4.1.x86_64.rpm	EH000600JWHPH	HPD8 (D)	HPD8
939	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-4.1.x86_64.rpm	EH000900JWHPK	HPD8 (D)	HPD8
940	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000300JWHPL	HPD8 (D)	HPD8
941	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000600JWHPN	HPD8 (D)	HPD8
942	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000900JWHPH	HPD8 (D)	HPD8
943	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	MO1600JVYPR	HPD7 (H)	HPD7
944	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	EO1600JVYPP	HPD7 (H)	HPD7
945	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	MK0800JVYPQ	HPD7 (H)	HPD7
946	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	EK0800JVYPN	HPD7 (H)	HPD7
947	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO001600JWDKR	HPD2 (K)	HPD2
948	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO001600JWDLA	HPD2 (K)	HPD2
949	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP,	firmware-hdd-5dcf26fa42-HPD2-	MO003200JWDLB	HPD2 (K)	HPD2

	EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	11.1.x86_64.rpm			
950	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO000400JWDKP	HPD2 (K)	HPD2
951	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO000400JWDKU	HPD2 (K)	HPD2
952	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO000800JWDKQ	HPD2 (K)	HPD2
953	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO000800JWDKV	HPD2 (K)	HPD2
954	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO000800PXDCK	HPD4	HPD4
955	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO000800PXDBP	HPD4	HPD4
956	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO000400PXDBQ	HPD4	HPD4
957	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO001600PXDCH	HPD4	HPD4
958	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR,	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO001600PXDCD	HPD4	HPD4

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
959	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO006400PXDCE	HPD4	HPD4
960	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO007680PXDBU	HPD4	HPD4
961	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO001920PXD	HPD4	HPD4
962	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO003200PXD	HPD4	HPD4
963	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO015300PXDBV	HPD4	HPD4
964	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO000960PXDBN	HPD4	HPD4
965	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDC, MO003200PXD, MO006400PXDCE, VO000960PXDBN, VO001920PXD, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO003840PXDBT	HPD4	HPD4
966	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-8.1.x86_64.rpm	MB002000JWFVN	HPD4 (H)	HPD4
967	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-8.1.x86_64.rpm	MB004000JWFVP	HPD4 (H)	HPD4
968	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and	firmware-hdd-d4be2aecbb-HPD2-	MB004000JYDPB	HPD2 (E)	HPD2

	MB004000JYDPB Drives	5.1.x86_64.rpm			
969	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD2-5.1.x86_64.rpm	MB002000JYDNE	HPD2 (E)	HPD2
970	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD4-7.1.x86_64.rpm	MB004000JWFVK	HPD4 (G)	HPD4
971	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD4-7.1.x86_64.rpm	MB006000JWFVL	HPD4 (G)	HPD4
972	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive	firmware-hdd-2c27a7a9a4-HPD2-7.1.x86_64.rpm	MB004000JWKGU	HPD2 (G)	HPD2
973	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-5.1.x86_64.rpm	MB004000JWWQB	HPD8 (E)	HPD8
974	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-5.1.x86_64.rpm	MB002000JWWQA	HPD8 (E)	HPD8
975	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive	firmware-hdd-a886842a99-HPD2-7.1.x86_64.rpm	MB006000JWKGN	HPD2 (G)	HPD2
976	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-5.1.x86_64.rpm	MB006000JYDNF	HPD2 (E)	HPD2
977	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-5.1.x86_64.rpm	MB008000JYDPC	HPD2 (E)	HPD2
978	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-7.1.x86_64.rpm	MB008000JWJRQ	HPD9 (G)	HPD9
979	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-7.1.x86_64.rpm	MB006000JWJRP	HPD9 (G)	HPD9
980	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive	firmware-hdd-8b26d1ef02-HPD2-8.1.x86_64.rpm	MB008000JWRTD	HPD2 (H)	HPD2
981	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-5.1.x86_64.rpm	MB006000JWWQN	HPD8 (E)	HPD8
982	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-5.1.x86_64.rpm	MB008000JWWQP	HPD8 (E)	HPD8
983	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-7.1.x86_64.rpm	MB010000JWAYK	HPD6 (G)	HPD6
984	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-7.1.x86_64.rpm	MB008000JWAYH	HPD6 (G)	HPD6
985	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB010000JWZHA	HPD4 (D)	HPD4
986	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB016000JWZHE	HPD4 (D)	HPD4
987	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB014000JWZHC	HPD4 (D)	HPD4
988	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB012000JWZHB	HPD4 (D)	HPD4
989	Online HDD/SSD Flash Component for	firmware-hdd-	MB010000JYDKK	HPD3 (B)	HPD3

	Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	8173816d98-HPD3-2.1.x86_64.rpm			
990	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB012000JYCJF	HPD3 (B)	HPD3
991	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB014000JYCJV	HPD3 (B)	HPD3
992	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB016000JYDKL	HPD3 (B)	HPD3
993	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB018000JYDKN	HPD3 (B)	HPD3
994	Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive	firmware-hdd-aaf1014ede-HPD4-2.1.x86_64.rpm	MB012000JWDFD	HPD4 (B)	HPD4
995	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB012000JZYVN	HPD4 (B)	HPD4
996	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB014000JZYVP	HPD4 (B)	HPD4
997	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB016000JZYVQ	HPD4 (B)	HPD4
998	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB018000JYCLK	HPD4 (B)	HPD4
999	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB014000JWRTH	HPD2 (L)	HPD2
1000	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB012000JWRTE	HPD2 (L)	HPD2
1001	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB010000JWRTE	HPD2 (L)	HPD2
1002	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-7.1.x86_64.rpm	MB014000JWTFD	HPD8 (G)	HPD8
1003	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-7.1.x86_64.rpm	MB012000JWTFD	HPD8 (G)	HPD8
1004	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive	firmware-hdd-cfd7436fcc-HPD4-2.1.x86_64.rpm	MB014000JWUDB	HPD4 (B)	HPD4
1005	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-	MB014000JXUCC	HPD4 (C)	HPD4

		3.1.x86_64.rpm			
1006	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDA-3.1.x86_64.rpm	MB016000JWXKH	HPDA (C)	HPDA
1007	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-3.1.x86_64.rpm	MB016000JXLBA	HPD3 (C)	HPD3
1008	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-3.1.x86_64.rpm	MB018000JXLAU	HPD3 (C)	HPD3
1009	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-2.1.x86_64.rpm	MB020000JXMTP	HPD2 (B)	HPD2
1010	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-2.1.x86_64.rpm	MB018000JXMTH	HPD2 (B)	HPD2
1011	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-13.1.x86_64.rpm	MB2000JFDSL	HPD4 (M)	HPD4
1012	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-13.1.x86_64.rpm	MB4000JFDSN	HPD4 (M)	HPD4
1013	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-4.1.x86_64.rpm	MM1000JEFRB	HPDA (D)	HPDA
1014	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-4.1.x86_64.rpm	MM2000JEFRC	HPDA (D)	HPDA
1015	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-4.1.x86_64.rpm	MM1000JFJTH	HPD5 (D)	HPD5
1016	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO003200JWFVR	HPD5 (J)	HPD5
1017	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO001920JWFVU	HPD5 (J)	HPD5
1018	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO001600JWFVQ	HPD5 (J)	HPD5
1019	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO000960JWFVT	HPD5 (J)	HPD5
1020	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP,	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO000800JWFVP	HPD5 (J)	HPD5

	MO001600JWFQ, MO003200JWFWR, MO000960JFWFT, MO001920JWFU and MO003840JFWV Drives				
1021	Online HDD/SSD Flash Component for Linux (x64) - MO000400JFWN, MO000800JFWP, MO001600JWFQ, MO003200JWFWR, MO000960JFWFT, MO001920JWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 10.1.x86_64.rpm	MO000400JFWN	HPD5 (J)	HPD5
1022	Online HDD/SSD Flash Component for Linux (x64) - MO000400JFWN, MO000800JFWP, MO001600JWFQ, MO003200JWFWR, MO000960JFWFT, MO001920JWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 10.1.x86_64.rpm	MO003840JFWV	HPD5 (J)	HPD5
1023	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO000800JXBEV	HPD1 (G)	HPD1
1024	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO001600JXBF	HPD1 (G)	HPD1
1025	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO003200JXBFQ	HPD1 (G)	HPD1
1026	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO006400JXBFR	HPD1 (G)	HPD1
1027	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO000960JXBFA	HPD1 (G)	HPD1
1028	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBF, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU,	firmware-hdd- 24384980ec-HPD1- 7.1.x86_64.rpm	MO001920JXBFT	HPD1 (G)	HPD1

	MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives				
1029	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO003840JXBFBU	HPD1 (G)	HPD1
1030	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO007680JXBGA	HPD1 (G)	HPD1
1031	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO015360JXBFBV	HPD1 (G)	HPD1
1032	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO000400JXBEU	HPD1 (G)	HPD1
1033	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO000800JXBFL	HPD1 (G)	HPD1
1034	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFBP, MO003200JXBFBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFBU, MO007680JXBGA, MO015360JXBFBV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFBN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO001600JXBFBN	HPD1 (G)	HPD1
1035	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VO015300JWSSV	HPD8 (I)	HPD8
1036	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK007680JWSSU	HPD8 (I)	HPD8
1037	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK003840JWSSST	HPD8 (I)	HPD8

1038	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK001920JWSSR	HPD8 (I)	HPD8
1039	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK000960JWSSQ	HPD8 (I)	HPD8
1040	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO006400JWZJT	HPD5 (C)	HPD5
1041	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO003200JWZJR	HPD5 (C)	HPD5
1042	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO001600JWZJQ	HPD5 (C)	HPD5
1043	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO000800JWZJP	HPD5 (C)	HPD5
1044	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWBT, MO003200JWBTU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO007680JWTCB	HPDB (B)	HPDB
1045	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWBT, MO003200JWBTU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO006400JWTCB	HPDB (B)	HPDB
1046	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWBT, MO003200JWBTU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO003840JWTCB	HPDB (B)	HPDB
1047	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWBT, MO003200JWBTU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO003200JWBTU	HPDB (B)	HPDB
1048	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ,	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO003200JWTCB	HPDB (B)	HPDB

	MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives				
1049	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO001920JWTL	HPDB (B)	HPDB
1050	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO001600JWTBT	HPDB (B)	HPDB
1051	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO001600JWTCB	HPDB (B)	HPDB
1052	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO000960JWTK	HPDB (B)	HPDB
1053	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO000800JWTBR	HPDB (B)	HPDB
1054	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO000800JWTCB	HPDB (B)	HPDB
1055	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWBN, VO007680JWTP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO000400JWTBQ	HPDB (B)	HPDB

	EO000800JWTCB and EO001600JWTCB Drives				
1056	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO000400JWTKV	HPDB (B)	HPDB
1057	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO001920JWWVV	HPDB (B)	HPDB
1058	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO015360JWZJN	HPD5 (C)	HPD5
1059	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO007680JWZJL	HPD5 (C)	HPD5
1060	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO003840JWZJK	HPD5 (C)	HPD5
1061	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO001920JWZJH	HPD5 (C)	HPD5
1062	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO000960JWZJF	HPD5 (C)	HPD5
1063	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8f9efb2-HPD8-2.1.x86_64.rpm	VO007680RWUFC	HPD8 (B)	HPD8
1064	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8f9efb2-HPD8-2.1.x86_64.rpm	VO003840RWUFF	HPD8 (B)	HPD8
1065	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8f9efb2-HPD8-2.1.x86_64.rpm	VO003840RWUFB	HPD8 (B)	HPD8
1066	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8f9efb2-HPD8-2.1.x86_64.rpm	VO001920RWUFE	HPD8 (B)	HPD8

	VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
1067	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-2.1.x86_64.rpm	VO001920RWUFA	HPD8 (B)	HPD8
1068	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-2.1.x86_64.rpm	VO000960RWUFD	HPD8 (B)	HPD8
1069	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD8-2.1.x86_64.rpm	VO000960RWUEV	HPD8 (B)	HPD8
1070	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	VO003840XZCLT	HPD3	HPD3
1071	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	MO001600XZCLV	HPD3	HPD3
1072	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	MO000800XZCLQ	HPD3	HPD3
1073	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	VO007680XZCMB	HPD3	HPD3
1074	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP061465.zip	EG000300JWBHR	HPD5 (E)	HPD5
1075	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP061464.zip	EG000300JWFVB	HPD3 (E)	HPD3
1076	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG001200JWJNK	HPD5 (D)	HPD5
1077	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG000600JWJNH	HPD5 (D)	HPD5
1078	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG000300JWSJP	HPD5 (D)	HPD5
1079	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP061475.zip	EG001200JWFVA	HPD4 (E)	HPD4
1080	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP061475.zip	EG000600JWFUV	HPD4 (E)	HPD4
1081	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG001200JWJNQ	HPD8 (B)	HPD8
1082	Online HDD/SSD Flash Component for	CP061359.zip	EG000600JWJNP	HPD8 (B)	HPD8

	VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives				
1083	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG001200MXJQU	HPD8 (B)	HPD8
1084	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG000600JXLVV	HPD8 (B)	HPD8
1085	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG001200JXLWA	HPD8 (B)	HPD8
1086	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP061474.zip	EG001800JWFVC	HPD4 (E)	HPD4
1087	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP061406.zip	EG002400JWJNN	HPD5 (D)	HPD5
1088	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP061406.zip	EG001800JWJNL	HPD5 (D)	HPD5
1089	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG001800JWJNR	HPDA (C)	HPDA
1090	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400JWJNT	HPDA (C)	HPDA
1091	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400MXJQT	HPDA (C)	HPDA
1092	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG001800JXLWB	HPDA (C)	HPDA
1093	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400JXLWC	HPDA (C)	HPDA
1094	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG1200JETKC	HPD8 (E)	HPD8
1095	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG0600JETKA	HPD8 (E)	HPD8
1096	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG0900JETKB	HPD8 (E)	HPD8
1097	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP061478.zip	EG1800JFHMH	HPD8 (E)	HPD8

1098	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP061448.zip	EH000900JWHPK	HPD8 (B)	HPD8
1099	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP061448.zip	EH000600JWHPH	HPD8 (B)	HPD8
1100	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP061341.zip	EH000900JWHPP	HPD8 (B)	HPD8
1101	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP061341.zip	EH000600JWHPN	HPD8 (B)	HPD8
1102	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP061341.zip	EH000300JWHPL	HPD8 (B)	HPD8
1103	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	MO1600JVYPR	HPD7 (H)	HPD7
1104	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	EO1600JVYPP	HPD7 (H)	HPD7
1105	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	MK0800JVYPQ	HPD7 (H)	HPD7
1106	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	EK0800JVYPN	HPD7 (H)	HPD7
1107	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO003200JWDLB	HPD2 (I)	HPD2
1108	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO001600JWDLA	HPD2 (I)	HPD2
1109	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	EO001600JWDKR	HPD2 (I)	HPD2
1110	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO000800JWDKV	HPD2 (I)	HPD2
1111	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	EO000800JWDKQ	HPD2 (I)	HPD2
1112	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP,	CP061343.zip	MO000400JWDKU	HPD2 (I)	HPD2

	EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1113	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	EO000400JWDKP	HPD2 (I)	HPD2
1114	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	EO000800PXDCK	HPD4	HPD4
1115	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	MO000800PXDBP	HPD4	HPD4
1116	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	EO000400PXDBQ	HPD4	HPD4
1117	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	EO001600PXDCH	HPD4	HPD4
1118	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	MO001600PXDCD	HPD4	HPD4
1119	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	MO006400PXDCE	HPD4	HPD4
1120	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCD, MO003200PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDDBV Drives	CP062190.zip	VO007680PXDBU	HPD4	HPD4

1121	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VOO15300PXDDBV Drives	CP062190.zip	VO001920PXDDBR	HPD4	HPD4
1122	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VOO15300PXDDBV Drives	CP062190.zip	VO015300PXDDBV	HPD4	HPD4
1123	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VOO15300PXDDBV Drives	CP062190.zip	MO003200PXDCCD	HPD4	HPD4
1124	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VOO15300PXDDBV Drives	CP062190.zip	VO000960PXDDBN	HPD4	HPD4
1125	Online HDD/SSD Flash Component for VMware ESXi - E0000400PXDBQ, E0000800PXDCK, E0001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VOO15300PXDDBV Drives	CP062190.zip	VO003840PXDDBT	HPD4	HPD4
1126	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP061413.zip	MB002000JWFVN	HPD4 (F)	HPD4
1127	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP061413.zip	MB004000JWFVP	HPD4 (F)	HPD4
1128	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP061454.zip	MB004000JYDPB	HPD2 (E)	HPD2
1129	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP061454.zip	MB002000JYDNE	HPD2 (E)	HPD2
1130	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP061482.zip	MB004000JWFVK	HPD4 (E)	HPD4
1131	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP061482.zip	MB006000JWFVL	HPD4 (E)	HPD4
1132	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP061487.zip	MB004000JWKGU	HPD2 (E)	HPD2
1133	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP061394.zip	MB004000JWWQB	HPD8 (B)	HPD8
1134	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB	CP061394.zip	MB002000JWWQA	HPD8 (B)	HPD8

	and MB002000JWWQA Drives				
1135	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP061591.zip	MB006000JWKGN	HPD2 (E)	HPD2
1136	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP061453.zip	MB006000JYDNF	HPD2 (E)	HPD2
1137	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP061453.zip	MB008000JYDPC	HPD2 (E)	HPD2
1138	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP061564.zip	MB008000JWJRQ	HPD9 (F)	HPD9
1139	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP061564.zip	MB006000JWJRP	HPD9 (F)	HPD9
1140	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRD Drive	CP061420.zip	MB008000JWRD	HPD2 (F)	HPD2
1141	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP061393.zip	MB006000JWWQN	HPD8 (B)	HPD8
1142	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP061393.zip	MB008000JWWQP	HPD8 (B)	HPD8
1143	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP061592.zip	MB010000JWAYK	HPD6 (E)	HPD6
1144	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP061592.zip	MB008000JWAYH	HPD6 (E)	HPD6
1145	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB010000JWZHA	HPD4 (B)	HPD4
1146	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB012000JWZHB	HPD4 (B)	HPD4
1147	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB016000JWZHE	HPD4 (B)	HPD4
1148	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB014000JWZHC	HPD4 (B)	HPD4
1149	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB010000JYDKK	HPD3 (B)	HPD3
1150	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB012000JYCJF	HPD3 (B)	HPD3
1151	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB014000JYCJV	HPD3 (B)	HPD3
1152	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and	CP061557.zip	MB016000JYDKL	HPD3 (B)	HPD3

	MB018000JYDKN Drives				
1153	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB018000JYDKN	HPD3 (B)	HPD3
1154	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP061427.zip	MB012000JWDFD	HPD4 (B)	HPD4
1155	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB012000JZYVN	HPD4 (B)	HPD4
1156	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB014000JZYVP	HPD4 (B)	HPD4
1157	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB016000JZYVQ	HPD4 (B)	HPD4
1158	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB018000JYCLK	HPD4 (B)	HPD4
1159	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP061565.zip	MB014000JWTFD	HPD8 (F)	HPD8
1160	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP061565.zip	MB012000JWTFC	HPD8 (F)	HPD8
1161	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP061652.zip	MB014000JWUDB	HPD4 (B)	HPD4
1162	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP061537.zip	MB014000JXUCC	HPD4 (B)	HPD4
1163	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP061446.zip	MB016000JWXKH	HPDA (B)	HPDA
1164	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP061449.zip	MB016000JXLBA	HPD3 (B)	HPD3
1165	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP061449.zip	MB018000JXLAU	HPD3 (B)	HPD3
1166	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP061558.zip	MB018000JXMTH	HPD2 (B)	HPD2
1167	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP061558.zip	MB020000JXMTP	HPD2 (B)	HPD2
1168	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP061598.zip	MB2000JFDSL	HPD4 (L)	HPD4
1169	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP061598.zip	MB4000JFDSN	HPD4 (L)	HPD4
1170	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP061340.zip	MM1000JEFRB	HPDA (D)	HPDA
1171	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP061340.zip	MM2000JEFRC	HPDA (D)	HPDA
1172	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP061555.zip	MM1000JFJTH	HPD5 (D)	HPD5
1173	Online HDD/SSD Flash Component for	CP061349.zip	MO003200JWFWR	HPD5 (I)	HPD5

	VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives				
1174	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO001920JFWFU	HPD5 (I)	HPD5
1175	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO001600JFWQ	HPD5 (I)	HPD5
1176	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO000960JFWFT	HPD5 (I)	HPD5
1177	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO000800JFWFP	HPD5 (I)	HPD5
1178	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO000400JFWFN	HPD5 (I)	HPD5
1179	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	CP061349.zip	MO003840JFWV	HPD5 (I)	HPD5
1180	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBVEV, MO001600JXBFP, MO003200JXBQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO000800JXBVEV	HPD1 (E)	HPD1
1181	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBVEV, MO001600JXBFP, MO003200JXBQ,	CP061345.zip	MO001600JXBFP	HPD1 (E)	HPD1

	MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1182	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO003200JXBFQ	HPD1 (E)	HPD1
1183	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO006400JXBFR	HPD1 (E)	HPD1
1184	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO000960JXBFA	HPD1 (E)	HPD1
1185	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO001920JXBFT	HPD1 (E)	HPD1
1186	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO003840JXBFU	HPD1 (E)	HPD1
1187	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO007680JXBGA	HPD1 (E)	HPD1
1188	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO015360JXBFV	HPD1 (E)	HPD1
1189	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU,	CP061345.zip	EO000400JXBEU	HPD1 (E)	HPD1

	MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1190	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	EO000800JXBFL	HPD1 (E)	HPD1
1191	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	EO001600JXBFN	HPD1 (E)	HPD1
1192	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VO015300JWSSV	HPD8 (I)	HPD8
1193	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK007680JWSSU	HPD8 (I)	HPD8
1194	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK003840JWSST	HPD8 (I)	HPD8
1195	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK001920JWSSR	HPD8 (I)	HPD8
1196	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK000960JWSSQ	HPD8 (I)	HPD8
1197	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO006400JWZJT	HPD5 (B)	HPD5
1198	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO003200JWZJR	HPD5 (B)	HPD5
1199	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO001600JWZJQ	HPD5 (B)	HPD5
1200	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO000800JWZJP	HPD5 (B)	HPD5
1201	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU,	CP061369.zip	VO007680JWTKP	HPDB (B)	HPDB

	MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives				
1202	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	MO006400JWTCB	HPDB (B)	HPDB
1203	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	VO003840JWTCB	HPDB (B)	HPDB
1204	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	MO003200JWTCB	HPDB (B)	HPDB
1205	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	EO003200JWTCB	HPDB (B)	HPDB
1206	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	VO001920JWTCB	HPDB (B)	HPDB
1207	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	MO001600JWTCB	HPDB (B)	HPDB
1208	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP061369.zip	EO001600JWTCB	HPDB (B)	HPDB

1209	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	VO000960JWBK	HPDB (B)	HPDB
1210	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	MO000800JWBR	HPDB (B)	HPDB
1211	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	EO000800JWTC	HPDB (B)	HPDB
1212	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	MO000400JWBQ	HPDB (B)	HPDB
1213	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	EO000400JWBV	HPDB (B)	HPDB
1214	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP061369.zip	MO001920JWWWV	HPDB (B)	HPDB
1215	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO015360JWZJN	HPD5 (B)	HPD5
1216	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO007680JWZJL	HPD5 (B)	HPD5
1217	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF,	CP061460.zip	VO003840JWZJK	HPD5 (B)	HPD5

	VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives				
1218	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO001920JWZJH	HPD5 (B)	HPD5
1219	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO000960JWZJF	HPD5 (B)	HPD5
1220	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO007680RWUFC	HPD8 (B)	HPD8
1221	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO003840RWUFF	HPD8 (B)	HPD8
1222	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO003840RWUFB	HPD8 (B)	HPD8
1223	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO001920RWUFE	HPD8 (B)	HPD8
1224	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO001920RWUFA	HPD8 (B)	HPD8
1225	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO000960RWUFD	HPD8 (B)	HPD8
1226	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO000960RWUEV	HPD8 (B)	HPD8
1227	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	VO003840XZCLT	HPD3	HPD3
1228	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	MO001600XZCLV	HPD3	HPD3
1229	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ	CP062187.zip	MO000800XZCLQ	HPD3	HPD3

	and MO001600XZCLV Drives				
1230	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	VO007680XCMB	HPD3	HPD3
1231	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP061593.zip	MB014000JWRTH	HPD2 (I)	HPD2
1232	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP061593.zip	MB012000JWRTF	HPD2 (I)	HPD2
1233	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP061593.zip	MB010000JWRTE	HPD2 (I)	HPD2
1234	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp061424.exe	EG000300JWBHR	HPD5 (E)	HPD5
1235	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive	cp061419.exe	EG000300JWFVB	HPD3 (E)	HPD3
1236	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG001200JWJNK	HPD5 (D)	HPD5
1237	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG000600JWJNH	HPD5 (D)	HPD5
1238	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG000300JWSJP	HPD5 (D)	HPD5
1239	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp061428.exe	EG001200JWFVA	HPD4 (E)	HPD4
1240	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp061428.exe	EG000600JWFUV	HPD4 (E)	HPD4
1241	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200MXJQU	HPD8 (B)	HPD8
1242	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG000600JXLVV	HPD8 (B)	HPD8
1243	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200JXLWA	HPD8 (B)	HPD8
1244	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG000600JWJNP	HPD8 (B)	HPD8
1245	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200JWJNQ	HPD8 (B)	HPD8

1246	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp061429.exe	EG001800JWFVC	HPD4 (E)	HPD4
1247	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp061586.exe	EG002400JWJNN	HPD5 (D)	HPD5
1248	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp061586.exe	EG001800JWJNL	HPD5 (D)	HPD5
1249	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG001800JWJNR	HPDA (C)	HPDA
1250	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400JWJNT	HPDA (C)	HPDA
1251	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400MXJQT	HPDA (C)	HPDA
1252	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG001800JXLWB	HPDA (C)	HPDA
1253	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400JXLWC	HPDA (C)	HPDA
1254	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG1200JETKC	HPD8 (E)	HPD8
1255	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG0600JETKA	HPD8 (E)	HPD8
1256	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG0900JETKB	HPD8 (E)	HPD8
1257	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp061431.exe	EG1800JFHMH	HPD8 (E)	HPD8
1258	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp061587.exe	EH000600JWHPH	HPD8 (C)	HPD8
1259	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp061587.exe	EH000900JWHPK	HPD8 (C)	HPD8
1260	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000300JWHPL	HPD8 (C)	HPD8
1261	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000600JWHPN	HPD8 (C)	HPD8
1262	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000900JWHPH	HPD8 (C)	HPD8

1263	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	MO1600JVYPR	HPD7 (G)	HPD7
1264	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	EO1600JVYPP	HPD7 (G)	HPD7
1265	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	MK0800JVYPQ	HPD7 (G)	HPD7
1266	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	EK0800JVYPN	HPD7 (G)	HPD7
1267	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO001600JWDKR	HPD2 (H)	HPD2
1268	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO001600JWDLA	HPD2 (H)	HPD2
1269	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO003200JWDLB	HPD2 (H)	HPD2
1270	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO000400JWDKP	HPD2 (H)	HPD2
1271	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO000400JWDKU	HPD2 (H)	HPD2
1272	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO000800JWDKQ	HPD2 (H)	HPD2
1273	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO000800JWDKV	HPD2 (H)	HPD2
1274	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	EO000800PXDCK	HPD4	HPD4

1275	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	MO000800PXDBP	HPD4	HPD4
1276	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	EO000400PXDBQ	HPD4	HPD4
1277	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	EO001600PXDCH	HPD4	HPD4
1278	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	MO001600PXDCC	HPD4	HPD4
1279	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	MO006400PXDCE	HPD4	HPD4
1280	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	VO007680PXDDBU	HPD4	HPD4
1281	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	VO001920PXDDBR	HPD4	HPD4
1282	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	VO015300PXDDBV	HPD4	HPD4
1283	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ,	cp062191.exe	MO003200PXDCCD	HPD4	HPD4

	EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
1284	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	VO000960PXDBN	HPD4	HPD4
1285	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp062191.exe	VO003840PXDBT	HPD4	HPD4
1286	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp061439.exe	MB002000JWFVN	HPD4 (F)	HPD4
1287	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp061439.exe	MB004000JWFVP	HPD4 (F)	HPD4
1288	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp061528.exe	MB004000JYDPB	HPD2 (E)	HPD2
1289	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp061528.exe	MB002000JYDNE	HPD2 (E)	HPD2
1290	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp061441.exe	MB004000JWFVK	HPD4 (E)	HPD4
1291	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp061441.exe	MB006000JWFVL	HPD4 (E)	HPD4
1292	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive	cp061442.exe	MB004000JWKGU	HPD2 (E)	HPD2
1293	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp061522.exe	MB004000JWWQB	HPD8 (C)	HPD8
1294	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp061522.exe	MB002000JWWQA	HPD8 (C)	HPD8
1295	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp061458.exe	MB006000JWKGN	HPD2 (E)	HPD2
1296	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp061527.exe	MB006000JYDNF	HPD2 (E)	HPD2
1297	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp061527.exe	MB008000JYDPC	HPD2 (E)	HPD2
1298	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp061535.exe	MB008000JWJRQ	HPD9 (F)	HPD9
1299	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp061535.exe	MB006000JWJRP	HPD9 (F)	HPD9
1300	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD	cp061463.exe	MB008000JWRTD	HPD2 (F)	HPD2

	Drive				
1301	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp061521.exe	MB006000JWWQN	HPD8 (C)	HPD8
1302	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp061521.exe	MB008000JWWQP	HPD8 (C)	HPD8
1303	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB010000GWZGT	HPG1 (D)	HPG1
1304	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB012000GWZGU	HPG1 (D)	HPG1
1305	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB014000GWZGV	HPG1 (D)	HPG1
1306	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB016000GWZHD	HPG1 (D)	HPG1
1307	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp061467.exe	MB010000JWAYK	HPD6 (E)	HPD6
1308	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp061467.exe	MB008000JWAYH	HPD6 (E)	HPD6
1309	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB010000JWZHA	HPD4 (C)	HPD4
1310	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB012000JWZHB	HPD4 (C)	HPD4
1311	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB014000JWZHC	HPD4 (C)	HPD4
1312	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB016000JWZHE	HPD4 (C)	HPD4
1313	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB010000JYDKK	HPD3 (B)	HPD3
1314	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB012000JYCJF	HPD3 (B)	HPD3
1315	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB014000JYCJV	HPD3 (B)	HPD3
1316	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB016000JYDKL	HPD3 (B)	HPD3

	MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives				
1317	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB018000JYDKN	HPD3 (B)	HPD3
1318	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp061929.exe	MB012000JWDFD	HPD4 (B)	HPD4
1319	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB012000JZYVN	HPD4 (B)	HPD4
1320	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB014000JZYVP	HPD4 (B)	HPD4
1321	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB016000JZYVQ	HPD4 (B)	HPD4
1322	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB018000JYCLK	HPD4 (B)	HPD4
1323	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB014000JWRTH	HPD2 (H)	HPD2
1324	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB012000JWRTF	HPD2 (H)	HPD2
1325	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB010000JWRTE	HPD2 (H)	HPD2
1326	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp061533.exe	MB014000JWTFD	HPD8 (F)	HPD8
1327	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp061533.exe	MB012000JWTFC	HPD8 (F)	HPD8
1328	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp061493.exe	MB014000JWUDB	HPD4 (B)	HPD4
1329	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp061546.exe	MB014000JXUCC	HPD4 (B)	HPD4
1330	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp061375.exe	MB016000JWXKH	HPDA (B)	HPDA
1331	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp061585.exe	MB016000JXLBA	HPD3 (B)	HPD3
1332	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp061585.exe	MB018000JXLAU	HPD3 (B)	HPD3
1333	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp061515.exe	MB020000JXMTP	HPD2 (B)	HPD2
1334	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp061515.exe	MB018000JXMTH	HPD2 (B)	HPD2

1335	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp061476.exe	MB2000JFDSL	HPD4 (J)	HPD4
1336	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp061476.exe	MB4000JFDSN	HPD4 (J)	HPD4
1337	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp061529.exe	MM1000JEFRB	HPDA (D)	HPDA
1338	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp061529.exe	MM2000JEFRC	HPDA (D)	HPDA
1339	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp061530.exe	MM1000JFJTH	HPD5 (D)	HPD5
1340	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO003200JWFVR	HPD5 (H)	HPD5
1341	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO001920JWFVU	HPD5 (H)	HPD5
1342	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO001600JWFVQ	HPD5 (H)	HPD5
1343	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO000960JWFVT	HPD5 (H)	HPD5
1344	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO000800JWFVP	HPD5 (H)	HPD5
1345	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp061488.exe	MO000400JWFVN	HPD5 (H)	HPD5
1346	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ,	cp061488.exe	MO003840JWFVV	HPD5 (H)	HPD5

	MO003200JWFWR, MO000960JWFWT, MO001920JWFVU and MO003840JWFVW Drives				
1347	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO000800JXBEV	HPD1 (E)	HPD1
1348	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO001600JXBFP	HPD1 (E)	HPD1
1349	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO003200JXBFO	HPD1 (E)	HPD1
1350	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO006400JXBFR	HPD1 (E)	HPD1
1351	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO000960JXBFA	HPD1 (E)	HPD1
1352	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO001920JXBFT	HPD1 (E)	HPD1
1353	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO003840JXBFU	HPD1 (E)	HPD1
1354	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFO,	cp061508.exe	EO000400JXBEU	HPD1 (E)	HPD1

	EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1355	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	EO000800JXBFL	HPD1 (E)	HPD1
1356	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	EO001600JXBFN	HPD1 (E)	HPD1
1357	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO015360JXBFV	HPD1 (E)	HPD1
1358	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO007680JXBGA	HPD1 (E)	HPD1
1359	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VO015300JWSSV	HPD8 (G)	HPD8
1360	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK007680JWSSU	HPD8 (G)	HPD8
1361	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK003840JWSST	HPD8 (G)	HPD8
1362	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK001920JWSSR	HPD8 (G)	HPD8
1363	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK000960JWSSQ	HPD8 (G)	HPD8
1364	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO006400JWZJT	HPD5 (B)	HPD5
1365	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR	cp061549.exe	VO003200JWZJR	HPD5 (B)	HPD5

	and VO006400JWZJT Drives				
1366	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO001600JWZJQ	HPD5 (B)	HPD5
1367	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO000800JWZJP	HPD5 (B)	HPD5
1368	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	VO007680JWTKP	HPDB (B)	HPDB
1369	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	MO006400JWTKD	HPDB (B)	HPDB
1370	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	VO003840JWTKN	HPDB (B)	HPDB
1371	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	MO003200JWTKU	HPDB (B)	HPDB
1372	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	EO003200JWTKC	HPDB (B)	HPDB
1373	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp061507.exe	VO001920JWTKL	HPDB (B)	HPDB
1374	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN,	cp061507.exe	MO001600JWTKT	HPDB (B)	HPDB

	VO007680JWTPB, MO000400JWTBQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives				
1375	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	EO001600JWTRB	HPDB (B)	HPDB
1376	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	VO000960JWTRK	HPDB (B)	HPDB
1377	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	MO000800JWTRB	HPDB (B)	HPDB
1378	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	EO000800JWTRC	HPDB (B)	HPDB
1379	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	MO000400JWTRQ	HPDB (B)	HPDB
1380	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp061507.exe	EO000400JWTRV	HPDB (B)	HPDB
1381	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRK, VO001920JWTRL, VO003840JWTRN, VO007680JWTRP, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRT, MO003200JWTRU,	cp061507.exe	MO001920JWTRV	HPDB (B)	HPDB

	MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives				
1382	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO015360JWZJN	HPD5 (B)	HPD5
1383	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO007680JWZJL	HPD5 (B)	HPD5
1384	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO003840JWZJK	HPD5 (B)	HPD5
1385	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO001920JWZJH	HPD5 (B)	HPD5
1386	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO000960JWZJF	HPD5 (B)	HPD5
1387	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO007680RWUFC	HPD8 (B)	HPD8
1388	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO003840RWUFF	HPD8 (B)	HPD8
1389	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO003840RWUFB	HPD8 (B)	HPD8
1390	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO001920RWUFE	HPD8 (B)	HPD8
1391	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO001920RWUFA	HPD8 (B)	HPD8
1392	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO000960RWUFD	HPD8 (B)	HPD8
1393	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV,	cp061519.exe	VO000960RWUEV	HPD8 (B)	HPD8

	VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
1394	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	VO003840XZCLT	HPD3	HPD3
1395	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	MO001600XZCLV	HPD3	HPD3
1396	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	MO000800XZCLQ	HPD3	HPD3
1397	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	VO007680XZCMB	HPD3	HPD3
1398	Universal Firmware Package for Drives - MB020000JXMVU	WDC_ParisD_WparisA SFD1.fwpkg	MB020000JXMVU	HPD1	HPD1
1399	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB12000JYESN	HPD1	HPD1
1400	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB16000JYEVC	HPD1	HPD1
1401	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUM MITSUSND1.fwpkg	MB20000JYEVD	HPD1	HPD1
1402	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SUM MITSUSSD1.fwpkg	MB24000JYEVE	HPD1	HPD1
1403	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	MO000960RXKRC	HPD5	HPD5
1404	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	MO001920RXKRH	HPD5	HPD5
1405	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	MO003840RXKRK	HPD5	HPD5
1406	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	VO000960RXKRB	HPD5	HPD5
1407	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	VO001920RXKRD	HPD5	HPD5
1408	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	VO003840RXKRE	HPD5	HPD5
1409	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840XRRK,	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO000960RXRQK	HPD4	HPD4

	VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD				
1410	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO001920XRRL	HPD4	HPD4
1411	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	MO003840XRRL	HPD4	HPD4
1412	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO000960RXRQL	HPD4	HPD4
1413	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO001920XRRL	HPD4	HPD4
1414	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO003840XRRL	HPD4	HPD4
1415	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRL, MO003840XRRL, VO000960RXRQL, VO001920XRRL, VO003840XRRL and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD4.fwpkg	VO007680RYEWD	HPD4	HPD4
1416	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO015360PXMTU	HPD2	HPD2
1417	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO007680PXMTT	HPD2	HPD2
1418	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO003840PXMTR	HPD2	HPD2
1419	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	VO001920PXMTL	HPD2	HPD2
1420	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV,	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO006400PXMUA	HPD2	HPD2

	MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU				
1421	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO003200PXMTV	HPD2	HPD2
1422	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO001600PXMTN	HPD2	HPD2
1423	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO001600PZWSH	HPD3	HPD3
1424	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO003200PZWSK	HPD3	HPD3
1425	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO000800PZWSF	HPD3	HPD3
1426	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO006400PZXFA	HPD3	HPD3
1427	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO000960PZWSL	HPD3	HPD3
1428	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO001920PZWSN	HPD3	HPD3
1429	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO003840PZWSP	HPD3	HPD3
1430	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO007680PZXFB	HPD3	HPD3
1431	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO015360PZXEU	HPD3	HPD3
1432	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZWUP	HPD1	HPD1
1433	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZWUQ	HPD1	HPD1
1434	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ,	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZWUR	HPD1	HPD1

	VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU				
1435	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZWUV	HPD1	HPD1
1436	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO003840RZWUT	HPD1	HPD1
1437	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO003840RZWVA	HPD1	HPD1
1438	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO007680RZWUU	HPD1	HPD1

6.2.14 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1439	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-11.1.x86_64.rpm	MB001000GWCBC	HPG6 (K)	HPG6
1440	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-11.1.x86_64.rpm	MB002000GWCBD	HPG6 (K)	HPG6
1441	Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives	firmware-hdd-bfc4af697b-HPG6-11.1.x86_64.rpm	MB001000GFWFK	HPG6 (K)	HPG6
1442	Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives	firmware-hdd-bfc4af697b-HPG6-11.1.x86_64.rpm	MB002000GFWFL	HPG6 (K)	HPG6
1443	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB004000GFWFB	HPG1 (L)	HPG1
1444	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB002000GFWFA	HPG1 (L)	HPG1
1445	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB001000GWJAN	HPG1 (L)	HPG1
1446	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-11.1.x86_64.rpm	MB004000GWKGV	HPG1 (K)	HPG1
1447	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB004000GWWQH	HPG6 (C)	HPG6
1448	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB002000GWWQF	HPG6 (C)	HPG6

	MB001000GWWQE Drives				
1449	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB001000GWWQE	HPG6 (C)	HPG6
1450	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBXL Drives	firmware-hdd-a1fd19f9ca-HPG8-11.1.x86_64.rpm	MB006000GWBXQ	HPG8 (K)	HPG8
1451	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBXL Drives	firmware-hdd-a1fd19f9ca-HPG8-11.1.x86_64.rpm	MB008000GWBXL	HPG8 (K)	HPG8
1452	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-4.1.x86_64.rpm	MB008000GWJRT	HPG6 (D)	HPG6
1453	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-4.1.x86_64.rpm	MB006000GWJRR	HPG6 (D)	HPG6
1454	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-11.1.x86_64.rpm	MB006000GWKGR	HPG1 (K)	HPG1
1455	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive	firmware-hdd-82894b9e0a-HPG1-11.1.x86_64.rpm	MB008000GWRTC	HPG1 (K)	HPG1
1456	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-3.1.x86_64.rpm	MB008000GWWQU	HPG8 (C)	HPG8
1457	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-3.1.x86_64.rpm	MB006000GWWQT	HPG8 (C)	HPG8
1458	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-11.1.x86_64.rpm	MB010000GWAYN	HPG5 (K)	HPG5
1459	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-11.1.x86_64.rpm	MB008000GWAYL	HPG5 (K)	HPG5
1460	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB010000GWZGT	HPG1 (E)	HPG1
1461	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB012000GWZGU	HPG1 (E)	HPG1
1462	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB014000GWZGV	HPG1 (E)	HPG1
1463	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB016000GWZHD	HPG1 (E)	HPG1
1464	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB010000GYDKP	HPG2 (B)	HPG2
1465	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB016000GYDKQ	HPG2 (B)	HPG2
1466	Online HDD/SSD Flash Component for	firmware-hdd-	MB018000GYDKR	HPG2 (B)	HPG2

	Linux (x64) - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	4fbb6d96e5-HPG2-2.1.x86_64.rpm			
1467	Online HDD/SSD Flash Component for Linux (x64) - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB012000GYCJL	HPG2 (B)	HPG2
1468	Online HDD/SSD Flash Component for Linux (x64) - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB014000GYCJT	HPG2 (B)	HPG2
1469	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG5-2.1.x86_64.rpm	MB012000GWDFE	HPG5 (B)	HPG5
1470	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-4.1.x86_64.rpm	MB014000GWTFE	HPG8 (D)	HPG8
1471	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-4.1.x86_64.rpm	MB012000GWTFE	HPG8 (D)	HPG8
1472	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB012000GZYVT	HPG4 (B)	HPG4
1473	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB014000GZYVU	HPG4 (B)	HPG4
1474	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB016000GZYVV	HPG4 (B)	HPG4
1475	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB018000GYCLL	HPG4 (B)	HPG4
1476	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB014000GWRTN	HPG2 (K)	HPG2
1477	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB012000GWRTL	HPG2 (K)	HPG2
1478	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB010000GWRTK	HPG2 (K)	HPG2
1479	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG3-2.1.x86_64.rpm	MB014000GWUDA	HPG3 (B)	HPG3
1480	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-3.1.x86_64.rpm	MB016000GWXKK	HPG4 (C)	HPG4
1481	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-2.1.x86_64.rpm	MB020000GXMTQ	HPG2 (B)	HPG2
1482	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-2.1.x86_64.rpm	MB018000GXMTK	HPG2 (B)	HPG2
1483	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK003840GWSSF	HPG3 (I)	HPG3

	and MK003840GWSSF Drives				
1484	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK001920GWSSE	HPG3 (I)	HPG3
1485	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK000960GWSSD	HPG3 (I)	HPG3
1486	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK000480GWSSC	HPG3 (I)	HPG3
1487	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK003840GWXFL	HPG3 (C)	HPG3
1488	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK001920GWXFK	HPG3 (C)	HPG3
1489	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK000960GWXFH	HPG3 (C)	HPG3
1490	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK000480GWXFF	HPG3 (C)	HPG3
1491	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK000480GZXRA	HPG1 (C)	HPG1
1492	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK001920GZXRC	HPG1 (C)	HPG1
1493	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK000960GZXRB	HPG1 (C)	HPG1
1494	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK003840GZXRV	HPG1 (C)	HPG1
1495	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG6-4.1.x86_64.rpm	MM1000GFJTE	HPG6 (D)	HPG6
1496	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-4.1.x86_64.rpm	MM2000GEFRA	HPG9 (D)	HPG9
1497	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK001920GWJPPQ	HPG5 (J)	HPG5
1498	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK001920GWJPH	HPG5 (J)	HPG5
1499	Online HDD/SSD Flash Component for	firmware-hdd-	MK000240GWKVK	HPG5 (J)	HPG5

	Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	aef2a690c9-HPG5-10.1.x86_64.rpm			
1500	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK000240GWJPD	HPG5 (J)	HPG5
1501	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK003840GWJPK	HPG5 (J)	HPG5
1502	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK000480GWJPN	HPG5 (J)	HPG5
1503	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK000480GWJPE	HPG5 (J)	HPG5
1504	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK000960GWJPP	HPG5 (J)	HPG5
1505	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK000960GWJPF	HPG5 (J)	HPG5
1506	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK003840GWSRV	HPG4 (I)	HPG4
1507	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK001920GWSRU	HPG4 (I)	HPG4
1508	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000960GWSRT	HPG4 (I)	HPG4
1509	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000480GWSRR	HPG4 (I)	HPG4

	VK001920GWSRU and VK003840GWSRV Drives				
1510	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000240GWSRQ	HPG4 (I)	HPG4
1511	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK003840GWTTD	HPG7 (C)	HPG7
1512	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK003840GWTTN	HPG7 (C)	HPG7
1513	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK001920GWTTT	HPG7 (C)	HPG7
1514	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK001920GWTTL	HPG7 (C)	HPG7
1515	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000960GWTTB	HPG7 (C)	HPG7
1516	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK000960GWTTK	HPG7 (C)	HPG7
1517	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000480GWTTA	HPG7 (C)	HPG7
1518	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK000480GWTTT	HPG7 (C)	HPG7
1519	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB,	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000240GWTSV	HPG7 (C)	HPG7

	VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1520	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK000240GXAWE	HPG1 (H)	HPG1
1521	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK000480GXAWK	HPG1 (H)	HPG1
1522	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK000960GXAWL	HPG1 (H)	HPG1
1523	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK003840GXAWP	HPG1 (H)	HPG1
1524	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK007680GXAWQ	HPG1 (H)	HPG1
1525	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MK000480GXAWF	HPG1 (H)	HPG1
1526	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MK000960GXAXB	HPG1 (H)	HPG1

	MR000960GXBGK Drives				
1527	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MK001920GXAWR	HPG1 (H)	HPG1
1528	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MK003840GXAWT	HPG1 (H)	HPG1
1529	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VR000240GXBBL	HPG1 (H)	HPG1
1530	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MR000480GXBGH	HPG1 (H)	HPG1
1531	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MR000960GXBGK	HPG1 (H)	HPG1
1532	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK001920GXAWN	HPG1 (H)	HPG1
1533	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK001920GZXQV	HPG1 (C)	HPG1
1534	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK003840GZXRH	HPG1 (C)	HPG1
1535	Online HDD/SSD Flash Component for	firmware-hdd-	VK007680GZXRT	HPG1 (C)	HPG1

	Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	abd133f0de-HPG1-3.1.x86_64.rpm			
1536	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000960GZXQU	HPG1 (C)	HPG1
1537	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000480GZXRF	HPG1 (C)	HPG1
1538	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000240GZXRU	HPG1 (C)	HPG1
1539	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK001920GWSXK	HPG3 (G)	HPG3
1540	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK001920GWUGK	HPG3 (G)	HPG3
1541	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK000960GWSXH	HPG3 (G)	HPG3
1542	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK000960GWUGH	HPG3 (G)	HPG3
1543	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK000480GWSXF	HPG3 (G)	HPG3
1544	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK000480GWUGF	HPG3 (G)	HPG3
1545	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK003840GWTHD	HPG5	HPG5
1546	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK001920GWTHC	HPG5	HPG5
1547	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK000960GWTHB	HPG5	HPG5

	and VK003840GWTHD Drives				
1548	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK000480GWTHA	HPG5	HPG5
1549	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK000480GZCNE	HPG3 (C)	HPG3
1550	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK000960GZCNF	HPG3 (C)	HPG3
1551	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK001920GZCNH	HPG3 (C)	HPG3
1552	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK003840GZCNK	HPG3 (C)	HPG3
1553	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK000960GXCLD	HPG3 (E)	HPG3
1554	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK007680GXCGR	HPG3 (E)	HPG3
1555	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK001920GXCGP	HPG3 (E)	HPG3
1556	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK003840GXCGQ	HPG3 (E)	HPG3
1557	Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive	firmware-hdd-d1cf327bc4-HPG3-7.1.x86_64.rpm	VK003840GWSXL	HPG3 (G)	HPG3
1558	Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive	firmware-hdd-b460823f70-HPG3-7.1.x86_64.rpm	VK007680GWSXN	HPG3 (G)	HPG3
1559	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP061387.zip	MB001000GWCBC	HPG6 (I)	HPG6
1560	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP061387.zip	MB002000GWCBD	HPG6 (I)	HPG6
1561	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives	CP061411.zip	MB001000GFWFK	HPG6 (J)	HPG6
1562	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives	CP061411.zip	MB002000GFWFL	HPG6 (J)	HPG6
1563	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP061412.zip	MB004000GFWFB	HPG1 (J)	HPG1
1564	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	CP061412.zip	MB002000GFWFA	HPG1 (J)	HPG1
1565	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWFA and	CP061412.zip	MB001000GWJAN	HPG1 (J)	HPG1

	MB004000GWFVB Drives				
1566	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP061415.zip	MB004000GWKGV	HPG1 (J)	HPG1
1567	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP061433.zip	MB004000GWWQH	HPG6 (B)	HPG6
1568	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP061433.zip	MB002000GWWQF	HPG6 (B)	HPG6
1569	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP061433.zip	MB001000GWWQE	HPG6 (B)	HPG6
1570	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives	CP061486.zip	MB006000GWBXQ	HPG8 (I)	HPG8
1571	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives	CP061486.zip	MB008000GWBYL	HPG8 (I)	HPG8
1572	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP061445.zip	MB008000GWJRT	HPG6 (B)	HPG6
1573	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP061445.zip	MB006000GWJRR	HPG6 (B)	HPG6
1574	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP061414.zip	MB006000GWKGR	HPG1 (J)	HPG1
1575	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP061421.zip	MB008000GWRTC	HPG1 (J)	HPG1
1576	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP061432.zip	MB008000GWWQU	HPG8 (B)	HPG8
1577	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP061432.zip	MB006000GWWQT	HPG8 (B)	HPG8
1578	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP061590.zip	MB010000GWAYN	HPG5 (J)	HPG5
1579	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP061590.zip	MB008000GWAYL	HPG5 (J)	HPG5
1580	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB010000GWZGT	HPG1 (D)	HPG1
1581	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB012000GWZGU	HPG1 (D)	HPG1
1582	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB014000GWZGV	HPG1 (D)	HPG1
1583	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB016000GWZHD	HPG1 (D)	HPG1

1584	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB010000GYDKP	HPG2 (B)	HPG2
1585	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB016000GYDKQ	HPG2 (B)	HPG2
1586	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB018000GYDKR	HPG2 (B)	HPG2
1587	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB012000GYCJL	HPG2 (B)	HPG2
1588	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB014000GYCJT	HPG2 (B)	HPG2
1589	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP061423.zip	MB012000GWDFE	HPG5 (B)	HPG5
1590	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP061422.zip	MB014000GWTFE	HPG8 (B)	HPG8
1591	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP061422.zip	MB012000GWTFE	HPG8 (B)	HPG8
1592	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB012000GZYVT	HPG4 (B)	HPG4
1593	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB014000GZYVU	HPG4 (B)	HPG4
1594	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB016000GZYVV	HPG4 (B)	HPG4
1595	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB018000GYCLL	HPG4 (B)	HPG4
1596	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB014000GWRTN	HPG2 (I)	HPG2
1597	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB012000GWRTL	HPG2 (I)	HPG2
1598	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB010000GWRTK	HPG2 (I)	HPG2
1599	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP061651.zip	MB014000GWUDA	HPG3 (B)	HPG3
1600	Online HDD/SSD Flash Component for	CP061447.zip	MB016000GWXKK	HPG4 (B)	HPG4

	VMware ESXi - MB016000GWXKK Drive				
1601	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP061572.zip	MB020000GXMTQ	HPG2 (B)	HPG2
1602	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP061572.zip	MB018000GXMTK	HPG2 (B)	HPG2
1603	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK003840GWSSF	HPG3 (G)	HPG3
1604	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK001920GWSSE	HPG3 (G)	HPG3
1605	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK000960GWSSD	HPG3 (G)	HPG3
1606	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK000480GWSSC	HPG3 (G)	HPG3
1607	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK003840GWXFL	HPG3 (B)	HPG3
1608	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK001920GWXFK	HPG3 (B)	HPG3
1609	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK000960GWXFH	HPG3 (B)	HPG3
1610	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK000480GWXFF	HPG3 (B)	HPG3
1611	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK000480GZXRA	HPG1 (B)	HPG1
1612	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK001920GZXRC	HPG1 (B)	HPG1
1613	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK000960GZXR	HPG1 (B)	HPG1
1614	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK003840GZXRV	HPG1 (B)	HPG1
1615	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP061426.zip	MM1000GFJTE	HPG6 (D)	HPG6
1616	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP061425.zip	MM2000GEFRA	HPG9 (D)	HPG9
1617	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP	CP061355.zip	MK001920GWJPD	HPG5 (I)	HPG5

	and MK001920GWJPQ Drives				
1618	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK000240GWKVK	HPG5 (I)	HPG5
1619	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK000480GWJPN	HPG5 (I)	HPG5
1620	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK000960GWJPP	HPG5 (I)	HPG5
1621	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK003840GWJPK	HPG5 (I)	HPG5
1622	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK001920GWJPH	HPG5 (I)	HPG5
1623	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000960GWJPF	HPG5 (I)	HPG5
1624	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000480GWJPE	HPG5 (I)	HPG5
1625	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000240GWJPD	HPG5 (I)	HPG5
1626	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK003840GWSRV	HPG4 (G)	HPG4
1627	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV	CP061435.zip	VK001920GWSRU	HPG4 (G)	HPG4

	Drives				
1628	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK000960GWSRT	HPG4 (G)	HPG4
1629	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK000480GWSRR	HPG4 (G)	HPG4
1630	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK000240GWSRQ	HPG4 (G)	HPG4
1631	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK003840GWTTD	HPG7 (C)	HPG7
1632	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK003840GWTTN	HPG7 (C)	HPG7
1633	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK001920GWTTT	HPG7 (C)	HPG7
1634	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK001920GWTTL	HPG7 (C)	HPG7
1635	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK000960GWTTB	HPG7 (C)	HPG7
1636	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK000960GWTTK	HPG7 (C)	HPG7
1637	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK000480GWTTA	HPG7 (C)	HPG7
1638	Online HDD/SSD Flash Component for	CP061551.zip	MK000480GWTTT	HPG7 (C)	HPG7

	VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1639	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK000240GWTSV	HPG7 (C)	HPG7
1640	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000240GXAWE	HPG1 (F)	HPG1
1641	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000480GXAWK	HPG1 (F)	HPG1
1642	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000960GXAWL	HPG1 (F)	HPG1
1643	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK003840GXAWP	HPG1 (F)	HPG1
1644	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK007680GXAWQ	HPG1 (F)	HPG1
1645	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBB, MR000480GXBGH and	CP061346.zip	MK000480GXAWF	HPG1 (F)	HPG1

	MR000960GXBGK Drives				
1646	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK000960GXAXB	HPG1 (F)	HPG1
1647	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK001920GXAWR	HPG1 (F)	HPG1
1648	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK003840GXAWT	HPG1 (F)	HPG1
1649	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VR000240GXBB	HPG1 (F)	HPG1
1650	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MR000480GXBGH	HPG1 (F)	HPG1
1651	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MR000960GXBGK	HPG1 (F)	HPG1
1652	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK001920GXAWN	HPG1 (F)	HPG1
1653	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU,	CP061455.zip	VK001920GZXQV	HPG1 (B)	HPG1

	VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.				
1654	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK003840GZXRH	HPG1 (B)	HPG1
1655	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK007680GZXRT	HPG1 (B)	HPG1
1656	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000960GZXQU	HPG1 (B)	HPG1
1657	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000480GZXRf	HPG1 (B)	HPG1
1658	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRf, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000240GZXRU	HPG1 (B)	HPG1
1659	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK001920GWSXK	HPG3 (E)	HPG3
1660	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK001920GWUGK	HPG3 (E)	HPG3
1661	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK000960GWSXH	HPG3 (E)	HPG3
1662	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK000960GWUGH	HPG3 (E)	HPG3
1663	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK000480GWSXF	HPG3 (E)	HPG3
1664	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK000480GWUGF	HPG3 (E)	HPG3
1665	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA,	CP061964.zip	VK003840GWTHD	HPG5	HPG5

	VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives				
1666	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK001920GWTHC	HPG5	HPG5
1667	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK000960GWTHB	HPG5	HPG5
1668	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK000480GWTHA	HPG5	HPG5
1669	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK000480GZCNE	HPG3 (B)	HPG3
1670	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK000960GZCNF	HPG3 (B)	HPG3
1671	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK001920GZCNH	HPG3 (B)	HPG3
1672	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK003840GZCNK	HPG3 (B)	HPG3
1673	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK000960GXCLD	HPG3 (D)	HPG3
1674	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK007680GXCGR	HPG3 (D)	HPG3
1675	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK001920GXCGP	HPG3 (D)	HPG3
1676	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK003840GXCGQ	HPG3 (D)	HPG3
1677	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP061404.zip	VK003840GWSXL	HPG3 (E)	HPG3
1678	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP061403.zip	VK007680GWSXN	HPG3 (E)	HPG3
1679	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp061576.exe	MB001000GWCBC	HPG6 (H)	HPG6
1680	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp061576.exe	MB002000GWCBD	HPG6 (H)	HPG6
1681	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives	cp061438.exe	MB001000GFWFK	HPG6 (I)	HPG6
1682	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives	cp061438.exe	MB002000GFWFL	HPG6 (I)	HPG6
1683	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and	cp061578.exe	MB004000GFWFB	HPG1 (I)	HPG1

	MB004000GWFVB Drives				
1684	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp061578.exe	MB002000GWFVA	HPG1 (I)	HPG1
1685	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	cp061578.exe	MB001000GWJAN	HPG1 (I)	HPG1
1686	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp061440.exe	MB004000GWKGV	HPG1 (I)	HPG1
1687	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB004000GWWQH	HPG6 (B)	HPG6
1688	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB002000GWWQF	HPG6 (B)	HPG6
1689	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB001000GWWQE	HPG6 (B)	HPG6
1690	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp061443.exe	MB006000GWBXQ	HPG8 (H)	HPG8
1691	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp061443.exe	MB008000GWBYL	HPG8 (H)	HPG8
1692	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp061502.exe	MB008000GWJRT	HPG6 (C)	HPG6
1693	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp061502.exe	MB006000GWJRR	HPG6 (C)	HPG6
1694	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp061457.exe	MB006000GWKGR	HPG1 (I)	HPG1
1695	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp061459.exe	MB008000GWRTC	HPG1 (I)	HPG1
1696	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp061498.exe	MB008000GWWQU	HPG8 (B)	HPG8
1697	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp061498.exe	MB006000GWWQT	HPG8 (B)	HPG8
1698	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp061365.exe	MB010000GWAYN	HPG5 (H)	HPG5
1699	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp061365.exe	MB008000GWAYL	HPG5 (H)	HPG5
1700	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB010000GYDKP	HPG2 (B)	HPG2
1701	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB016000GYDKQ	HPG2 (B)	HPG2
1702	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP,	cp061524.exe	MB018000GYDKR	HPG2 (B)	HPG2

	MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives				
1703	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB012000GYCJL	HPG2 (B)	HPG2
1704	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB014000GYCJT	HPG2 (B)	HPG2
1705	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp061930.exe	MB012000GWDFE	HPG5 (B)	HPG5
1706	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp061470.exe	MB014000GWTFE	HPG8 (C)	HPG8
1707	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp061470.exe	MB012000GWTFE	HPG8 (C)	HPG8
1708	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB012000GZYVT	HPG4 (B)	HPG4
1709	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB014000GZYVU	HPG4 (B)	HPG4
1710	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB016000GZYVV	HPG4 (B)	HPG4
1711	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB018000GYCLL	HPG4 (B)	HPG4
1712	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB014000GWRTN	HPG2 (H)	HPG2
1713	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB012000GWRTL	HPG2 (H)	HPG2
1714	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB010000GWRTK	HPG2 (H)	HPG2
1715	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp061492.exe	MB014000GWUDA	HPG3 (B)	HPG3
1716	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp061376.exe	MB016000GWXKK	HPG4 (B)	HPG4
1717	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp061510.exe	MB020000GXMTQ	HPG2 (B)	HPG2
1718	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp061510.exe	MB018000GXMTK	HPG2 (B)	HPG2
1719	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSSE and MK003840GWSSF Drives	cp061499.exe	MK003840GWSSF	HPG3 (G)	HPG3

1720	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK001920GWSSE	HPG3 (G)	HPG3
1721	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK000960GWSSD	HPG3 (G)	HPG3
1722	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK000480GWSSC	HPG3 (G)	HPG3
1723	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK003840GWXFL	HPG3 (B)	HPG3
1724	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK001920GWXFK	HPG3 (B)	HPG3
1725	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK000960GWXFH	HPG3 (B)	HPG3
1726	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK000480GWXFF	HPG3 (B)	HPG3
1727	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK000480GZXRA	HPG1 (B)	HPG1
1728	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK001920GZXRC	HPG1 (B)	HPG1
1729	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK000960GZXRB	HPG1 (B)	HPG1
1730	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK003840GZXRV	HPG1 (B)	HPG1
1731	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp061405.exe	MM1000GFJTE	HPG6 (C)	HPG6
1732	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp061389.exe	MM2000GEFRA	HPG9 (C)	HPG9
1733	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	MK001920GWJPPQ	HPG5 (G)	HPG5
1734	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	VK001920GWJPH	HPG5 (G)	HPG5
1735	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF,	cp061372.exe	MK000240GWKVK	HPG5 (G)	HPG5

	VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives				
1736	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	VK000240GWJPD	HPG5 (G)	HPG5
1737	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	VK003840GWJPK	HPG5 (G)	HPG5
1738	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	MK000480GWJPN	HPG5 (G)	HPG5
1739	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	VK000480GWJPE	HPG5 (G)	HPG5
1740	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	MK000960GWJPP	HPG5 (G)	HPG5
1741	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	cp061372.exe	VK000960GWJPF	HPG5 (G)	HPG5
1742	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK003840GWSRV	HPG4 (G)	HPG4
1743	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK001920GWSRU	HPG4 (G)	HPG4
1744	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000960GWSRT	HPG4 (G)	HPG4
1745	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000480GWSRR	HPG4 (G)	HPG4

1746	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000240GWSRQ	HPG4 (G)	HPG4
1747	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK003840GWTTD	HPG7 (C)	HPG7
1748	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK003840GWTTN	HPG7 (C)	HPG7
1749	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK001920GWTTT	HPG7 (C)	HPG7
1750	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK001920GWTTL	HPG7 (C)	HPG7
1751	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK000960GWTTB	HPG7 (C)	HPG7
1752	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK000960GWTTK	HPG7 (C)	HPG7
1753	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK000480GWTTA	HPG7 (C)	HPG7
1754	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK000480GWTTT	HPG7 (C)	HPG7
1755	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	cp061545.exe	VK000240GWTSV	HPG7 (C)	HPG7

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1756	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MR000960GXBGK	HPG1 (F)	HPG1
1757	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MR000480GXBGH	HPG1 (F)	HPG1
1758	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VR000240GXBBL	HPG1 (F)	HPG1
1759	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK003840GXAWT	HPG1 (F)	HPG1
1760	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK001920GXAWR	HPG1 (F)	HPG1
1761	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK000960GXAXB	HPG1 (F)	HPG1
1762	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK000480GXAWF	HPG1 (F)	HPG1
1763	Online HDD/SSD Flash Component for	cp061511.exe	VK007680GXAWQ	HPG1 (F)	HPG1

	Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives				
1764	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK003840GXAWP	HPG1 (F)	HPG1
1765	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000960GXAWL	HPG1 (F)	HPG1
1766	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000480GXAWK	HPG1 (F)	HPG1
1767	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000240GXAWE	HPG1 (F)	HPG1
1768	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK001920GXAWN	HPG1 (F)	HPG1
1769	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK001920GZXQV	HPG1 (B)	HPG1
1770	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK003840GZXRH	HPG1 (B)	HPG1
1771	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU,	cp061418.exe	VK007680GZXRT	HPG1 (B)	HPG1

	VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives				
1772	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000960GZXQU	HPG1 (B)	HPG1
1773	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000480GZXRF	HPG1 (B)	HPG1
1774	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000240GZXRU	HPG1 (B)	HPG1
1775	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK001920GWSXK	HPG3 (E)	HPG3
1776	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK001920GWUGK	HPG3 (E)	HPG3
1777	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK000960GWSXH	HPG3 (E)	HPG3
1778	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK000960GWUGH	HPG3 (E)	HPG3
1779	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK000480GWSXF	HPG3 (E)	HPG3
1780	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK000480GWUGF	HPG3 (E)	HPG3
1781	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK003840GWTHD	HPG5	HPG5
1782	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK001920GWTHC	HPG5	HPG5
1783	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK000960GWTHB	HPG5	HPG5
1784	Online HDD/SSD Flash Component for	cp061965.exe	VK000480GWTHA	HPG5	HPG5

	Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives				
1785	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK000480GZCNE	HPG3 (B)	HPG3
1786	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK000960GZCNF	HPG3 (B)	HPG3
1787	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK001920GZCNH	HPG3 (B)	HPG3
1788	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK003840GZCNK	HPG3 (B)	HPG3
1789	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK000960GXCLD	HPG3 (C)	HPG3
1790	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK007680GXCGR	HPG3 (C)	HPG3
1791	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK001920GXCGP	HPG3 (C)	HPG3
1792	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK003840GXCGQ	HPG3 (C)	HPG3
1793	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp061582.exe	VK003840GWSXL	HPG3 (E)	HPG3
1794	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp061583.exe	VK007680GWSXN	HPG3 (E)	HPG3
1795	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_S CIMARBPNTG1.fwpkg	MB002000GYDNK	HPG1	HPG1
1796	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_S CIMARBPNTG1.fwpkg	MB004000GYDPD	HPG1	HPG1
1797	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAM G08ADAeG1.fwpkg	MB006000GWZVL	HPG1	HPG1
1798	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAM G08ADAeG1.fwpkg	MB008000GWZVN	HPG1	HPG1
1799	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG1.fwpkg	MB006000GYDNL	HPG1	HPG1
1800	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG1.fwpkg	MB008000GYDPE	HPG1	HPG1
1801	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG1.fwpkg	MB010000GYDNN	HPG1	HPG1
1802	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ ,	Solidigm_S4X20_4IYYH PG3.fwpkg	MK000480GYCNT	HPG3	HPG3

	VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU				
1803	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	MK000960GYCNP	HPG3	HPG3
1804	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	MK001920GYCNF	HPG3	HPG3
1805	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	MK003840GYCNQ	HPG3	HPG3
1806	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000240GYCNU	HPG3	HPG3
1807	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000480GYCNH	HPG3	HPG3
1808	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000960GYCNK	HPG3	HPG3
1809	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNC ,VK007680GYCNE ,VR00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK001920GYCNL	HPG3	HPG3
1810	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK	Solidigm_S4X20_4IYYH PG3.fwpkg	VK003840GYCNC	HPG3	HPG3

	003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU				
1811	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK007680GYCNE	HPG3	HPG3
1812	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VR000240GXPQT	HPG3	HPG3
1813	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VR000480GXPQU	HPG3	HPG3

6.2.15 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1814	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller	CP060618.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1815	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller	CP060617.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1816	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller	CP060616.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1817	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller	CP060615.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1818	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10P_Gen11_1.2.14.1013_A.fw pkg	HPE NS204i-p Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013
1819	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10P_Gen11_1.2.14.1013_A.fw pkg	HPE NS204i-r Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013
1820	Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller	HPE_MR216i-a_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1821	Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller	HPE_MR216i-p_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1822	Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller	HPE_MR416i-a_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1823	Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller	HPE_MR416i-p_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1824	Firmware Package - HPE SR932i-p	HPE_SR416_SR932_Gen	Microchip SR416i-a	03.01.30.106	03.01.30.106

	Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	10P_Gen11_03.01.30.106_A.fwpkg	Cntrl for HPE Gen10+		
1825	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.30.106_A.fwpkg	Microchip SR932i-p Cntrl for HPE Gen10+	03.01.30.106	03.01.30.106
1826	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	7.11	7.11
1827	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P816i-a SR Gen10 Controller	7.11	7.11
1828	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P408i-a SR Gen10 Controller	7.11	7.11
1829	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P408i-p SR Gen10 Controller	7.11	7.11
1830	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208i-a SR Gen10 Controller	7.11	7.11
1831	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208i-p SR Gen10 Controller	7.11	7.11
1832	Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	CP057012.zip	HPE 12Gb SAS Expander Card	5.15 (B)	5.15
1833	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp062536.exe	HPE 12Gb SAS Expander Card	5.15 (C)	5.15
1834	Supplemental Update / Online ROM Flash Component for Linux (x64) – HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	firmware-smartarray-1f19a4a64d-5.15-3.1.x86_64.rpm	HPE 12Gb SAS Expander Card	5.15 (C)	5.15

6.2.16 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1835	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus	2024.09.01	14.4.329.10

			Adapter		
1836	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1837	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1838	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1839	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1840	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1841	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1842	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1843	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1844	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1845	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1846	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1847	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1848	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1849	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1850	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1851	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1852	HPE Firmware Flash for Emulex Fibre	CP059671.zip	HPE SN1610E 32Gb	2024.09.01	14.4.329.10

	Channel Host Bus Adapters for VMware vSphere 7.0		2-port Fibre Channel Host Bus Adapter		
1853	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1854	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1855	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1856	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1857	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1858	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1859	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1860	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1861	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1862	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1863	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1864	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1865	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1866	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1867	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1868	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022	cp059848.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus	2024.09.01	02.10.00

	(x86_64)		Adapter		
1869	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1870	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1871	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1872	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1873	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1874	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1875	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1876	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1877	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1878	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1879	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1880	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1881	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1882	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00

6.2.17 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1883	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B24.fwpkg	NVMe Backplane PIC	1.24 (E)	1.24
1884	Firmware Package - UBM1 Backplane PIC PLDM Firmware	HPE_UBM1_1.46_B.fwpkg	UBM1 Backplane PIC	1.46 (B)	1.46

1885	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_E.fwp kg	UBM2 Backplane PIC	1.20 (E)	1.20
1886	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM3_1.24_E.fwp kg	UBM3 Backplane PIC	1.24 (E)	1.24
1887	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM4_1.24_F.fwp kg	UBM4 Backplane PIC	1.24 (F)	1.24
1888	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM6_1.04_A.fwp kg	UBM6 Backplane PIC	1.04	1.04
1889	Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-ie-0.2.3.0-2.1.x86_64.rpm	Innovation Engine (IE) Firmware	0.2.3.0 (B)	0.2.3.0
1890	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-sps-04.01.05.002-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.05.002 (B)	4.1.5.2
1891	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-sps-04.04.04.603-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.04.04.603 (B)	4.4.4.603
1892	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp062628.exe	Server Platform Services (SPS) Firmware	04.01.05.002 (C)	4.1.5.2
1893	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp062641.exe	Server Platform Services (SPS) Firmware	04.04.04.603 (B)	4.4.4.603
1894	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp062703.exe	Server Platform Services Manageability Engine Firmware	06.00.03.604 (B)	6.0.3.604
1895	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp057563.exe	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.913	5.1.4.913
1896	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	cp062695.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604 (B)	6.0.3.604
1897	Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-ie-1.0.0.22-2.1.x86_64.rpm	Innovation Engine (IE) Firmware	1.0.0.22 (B)	1.0.0.22
1898	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.04.913-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.913 (B)	5.1.4.913
1899	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u61sps-06.00.03.604-2.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware	06.00.03.604 (B)	6.0.3.604
1900	Online ROM Flash for Linux - Server	firmware-u60sps-	Server Platform	06.00.03.604	6.0.3.604

	Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	06.00.03.604-2.1.x86_64.rpm	Services Manageability Engine Firmware for t...	(B)	
1901	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.3.0.fwpkg	Innovation Engine (IE) Universal Image.	0.2.3.0 (B)	0.2.3.0
1902	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.IEGen10Plus_1.0.0.22.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.22 (B)	1.0.0.22
1903	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.SPSGen10_04.01.05.002.fwpkg	Server Platform Services (SPS) Firmware	04.01.05.002	4.1.5.2
1904	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.SPSGen10Plus_04.04.04.603.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.603	4.4.4.603
1905	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.DL20ML30Gen10SPS_05.01.04.913.fwpkg	Server Platform Services (SPS) E3 Firmware	05.01.04.913	5.1.4.913
1906	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.SC_ML30GEN10Plus_ME_06.00.03.604.fwpkg	Server Platform Services Firmware for ML30 Gen10 Plus	06.00.03.604	6.0.3.604
1907	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	OEM.SC_DL20GEN10Plus_ME_06.00.03.604.fwpkg	Server Platform Services Firmware for DL20 Gen10 Plus	06.00.03.604	6.0.3.604

6.2.18 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1908	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-6.0.0-0.x86_64.rpm	-	6.0.0-0 (A)	6.0.0-0
1909	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp049814.exe	-	6.0.0.0	6.0.0.0

6.2.19 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1910	HPE Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers	cp059815.zip	-	2024.03.01	701.11.10.0.4-1
1911	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp062084.zip	-	2024.09.01	700.3.9.0.4-1
1912	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0	cp062083.zip	-	2024.09.01	800.3.9.0.30-1
1913	HPE iLO Driver Bundle Smart Component for ESXi 7.0 and ESXi 8.0	cp062952.zip	-	2024.09.00	700.10.8.2.2-10EM.700.1.0.15843807
1914	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0

1915	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1916	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1917	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1918	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1919	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1920	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-7.0.0
1921	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-7.0.0
1922	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1923	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1924	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1925	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE 12Gb SAS Expander Card	2024.10.01	6.40.6.0-7.0.0
1926	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1927	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1928	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1929	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1930	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1931	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1932	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-8.0.0
1933	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-8.0.0
1934	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0
1935	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0
1936	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0

1937	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE 12Gb SAS Expander Card	2024.10.01	6.40.6.0-8.0.0
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6.2.20 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1938	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01
1939	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01
1940	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01
1941	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01
1942	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2024.06.01	007.2613.000 0.0000-02
1943	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2024.06.01	007.2613.000 0.0000-02
1944	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2024.06.01	007.2613.000 0.0000-02
1945	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2024.06.01	007.2613.000 0.0000-02
1946	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.69	1.2.1.69
1947	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.1.69	1.2.1.69
1948	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.69	1.2.1.69
1949	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.1.69	1.2.1.69
1950	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.69	1.2.1.69
1951	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.1.69	1.2.1.69

6.2.21 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1952	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1953	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1954	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre	4.2-1 (i)	4.2-1_rhel

	Red Hat Enterprise Linux (RHEL)		Channel Host Bus Adapter		
1955	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1956	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1957	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1958	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1959	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1960	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1961	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1962	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1963	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1964	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1965	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1966	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1967	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1968	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1969	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1970	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1

1971	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1972	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1973	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1974	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1975	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1976	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1977	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1978	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1979	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1980	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1981	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
1982	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
1983	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
1984	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
1985	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
1986	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
1987	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-	HPE SN1610E 32Gb 2-port Fibre	1.0.0.0-4 (p)	1.0.0.0-4

		4.x86_64.rpm	Channel Host Bus Adapter		
1988	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1989	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1990	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1991	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1992	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1993	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1994	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
1995	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
1996	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
1997	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
1998	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
1999	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-10EM.703.0.0.18644231
2000	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
2001	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
2002	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
2003	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970

2004	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
2005	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
2006	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2007	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2008	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2009	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2010	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2011	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
2012	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2013	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2014	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2015	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2016	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2017	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2018	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2019	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2020	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus	cp054434.exe	HPE SN1600Q 32Gb Dual Port Fibre	1.0.0.1 (e)	1.0.0.1

	Adapter for Microsoft Windows Server 2022 (x86_64)		Channel Host Bus Adapter		
2021	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2022	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2023	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2024	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2025	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2026	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2027	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2028	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2029	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	3.3-3 (p)	3.3-3
2030	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807
2031	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807
2032	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807
2033	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807
2034	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807
2035	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-10EM.700.1.0.15843807

6.2.22 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
2036	Agentless Management Service (iLO 5, iLO 6) for Red Hat Enterprise Linux 9 Server	amsd-3.6.0-1867.19.rhel9.x86_64.rpm	-	3.6.0	3.6.0-1867.19.rhel9
2037	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server	amsd-3.6.0-1867.7.rhel8.x86_64.rpm	-	3.6.0	3.6.0-1867.7.rhel8
2038	Agentless Management Service for Microsoft Windows x64	cp062285.exe	-	2.60.0.0	2.60.0.0
2039	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416ip Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2040	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416ia Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2041	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216ip Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2042	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216ia Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2043	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR416ip Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2044	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR416ia Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2045	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR216ip Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2046	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR216ia Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2047	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR416ip Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2048	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR416ia Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2049	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR216ip Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2050	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR216ia Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2051	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR416ip Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2052	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR416ia Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2053	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR216ip Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2054	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR216ia Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2055	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp062134.exe	-	1.1.0.0 (G)	1.1.0.0
2056	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0

2057	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2058	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2059	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2060	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2061	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2062	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2063	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2064	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2065	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2066	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2067	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2068	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2069	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2070	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2071	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2072	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2073	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2074	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2075	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2076	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2077	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2078	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0

2079	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0
2080	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2081	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2082	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2083	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2084	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2085	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2086	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2087	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2088	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2089	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2090	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2091	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2092	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2093	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2094	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2095	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2096	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2097	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2098	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2099	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2100	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0

2101	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2102	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2103	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0
2104	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2105	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2106	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2107	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2108	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2109	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2110	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2111	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2112	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2113	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2114	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2115	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2116	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2117	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2118	Smart Storage Administrator	cp059213.exe	HPE Smart Array	6.40.6.0	6.40.6.0

	Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers		P816i-a SR Gen10 Controller		
2119	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2120	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2121	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2122	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2123	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2124	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2125	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2126	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2127	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0

6.3 パッケージの変更内容

Online ROM Flash Component for Linux - System ROM U34

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/MinProclIdlePower`

Online ROM Flash Component for Linux - System ROM U30

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/MinProclIdlePower`

Online ROM Flash Component for Linux - System ROM U32

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the `Tcg2MeasureGptTable()` function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the `IScsiHexToBin()` function in `NetworkPkg/IScsiDxe`. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.

- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where “Restore Manufacturing Defaults” and “Restore Defaults” from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Linux - System ROM U41

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is

set to Auto.

- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Linux - System ROM U43

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum

Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProclIdlePower

Online ROM Flash Component for Linux - System ROM U44

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProclIdlePower

Online ROM Flash Component for Linux - System ROM U46

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2021-38575 and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site.

They are not unique to Hitachi servers.

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
- Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where the RBSU/Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may hang up with fully installed NVMe drives.
- Addressed an issue where SMBIOS type 203 show incorrect information when Bifurcation/Dual-Bifurcation is enabled.
- Addressed an issue where the RBSU/Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where UMB firmware version showed incorrectly in Firmware information of System Configuration (RBSU).
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added the System Configuration (RBSU) options "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Data Link Feature/PCIe Slot XX Data Link Feature Exchange" and set to "Enabled" by default. These options can be used to disable Data Link Feature Exchange when a legacy (Gen 3 or older) PCIe card is installed, which is not compatible with this feature. This setting has the following Redfish properties: /redfish/v1/systems/1/bios/settings/SlotXXDataLinkFeatureExchange
- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/FilterNonbootableDrive

Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/MinProcidlePower

Online ROM Flash Component for Linux - System ROM U60

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Linux - System ROM U61

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.

- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Windows x64 - System ROM U34

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: `/redfish/v1/systems/1/bios/MinProclIdlePower`

Online ROM Flash Component for Windows x64 - System ROM U30

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the `Tcg2MeasureGptTable()` function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the `IscsiHexToBin()` function in `NetworkPkg/IscsiDxe`. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI `IpAddressType` is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.

- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U32

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U41

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U43

Version: 3.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2023-45853 and CVE-2021-38575.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zi update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where system might hang while accessing IML log from RBSU.

Enhancements/New Features:

- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U44

Version: 3.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2023-45853 and CVE-2021-38575.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zi update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.

- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where “Restore Manufacturing Defaults” and “Restore Defaults” from iLO web did not restore the Secure Boot Status.
- Addressed an issue where system might hang while accessing IML log from RBSU.

Enhancements/New Features:

- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U46

Version: 2.00_03-06-2024 (Recommended)

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.4 guidance.

Problems Fixed:

- Addressed an issue where the PCI VPD data would be written unconditionally while system is accessing to PCI VPD.
- This revision of the System ROM includes the latest revision of the Intel IPU 2024.1 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2021-38575, CVE-2022-36763, CVE-2022-36764, CVE-2023-45229 and CVE-2023-45853. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- Addressed an issue where the UBM version between RBSU and iLO web pages was not synchronized.
- Addressed an issue where NVME hot plug when installing fully loaded NVME drives.
- Addressed an issue vulnerabilities in network IP stack documented as from CVE-2023-45230 to CVE-2023-45237.
- Addressed an issue where the PCIE slot control would disappear in RBSU when the PCIE switchboard is installed in the system.
- Addressed an issue where the iSCSI SW ipv6 HDD can't be found under OS when iSCSI IP Address Type option is set to “Auto” in RBSU Network Options / iSCSI Configuration / Add an iSCSI Attempt > select Network device > IP Address Type.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.

- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements

- Enhanced the SMBIOS type 203 ability for PCI device information displays that can support when the PCI slot is bifurcated.
- Added an option of "Filter Non-bootable Drives" in RBSU Boot Options.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

Online ROM Flash Component for Windows x64 - System ROM U60

Version: 2.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2021-38575, CVE-2023-45853, CVE-2022-36763 and CVE-2022-36764.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where DmiAspmCtrl was not set accordingly when setting DMI ASPM to Disabled/L1 Enabled.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property:`/redfish/v1/systems/1/bios/settings/FilterNonbootableDrive`
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.
- Added "DMI Power Management (ASPM)" option in RBSU. The option has the default value of "disable", which will override default setting of "enable" from the previous ROM. This is due to enabling DMI

power management might result in system hang with machine check exception based on Intel erratum RKL-15.

- The path to the option is: Processor Options -> DMI Power Management (ASPM)
- This setting has the Redfish property URI of: /redfish/v1/systems/1/bios/settings/E3DmiAspm

Online ROM Flash Component for Windows x64 - System ROM U61

Version: 2.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2021-38575, CVE-2023-45853, CVE-2022-36763 and CVE-2022-36764.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where DmiAspmCtrl was not set accordingly when setting DMI ASPM to Disabled/L1 Enabled.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property:/redfish/v1/systems/1/bios/settings/FilterNonbootableDrive
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.
- Added "DMI Power Management (ASPM)" option in RBSU. The option has the default value of "disable", which will override default setting of "enable" from the previous ROM. This is due to enabling DMI power management might result in system hang with machine check exception based on Intel erratum RKL-15.

- The path to the option is: Processor Options -> DMI Power Management (ASPM)
- This setting has the Redfish property URI of: /redfish/v1/systems/1/bios/settings/E3DmiAspm

ROM Flash Firmware Package - System ROM U34

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.

- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U30

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U32

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U41

Version: 3.10_02-22-2024 (Recommended)

Problems Fixed:

- Patch for CVE-2021-38575: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2023-45853: The vulnerability allows a remote attacker to execute arbitrary code on the target system.
- Patch for CVE-2022-36763 and CVE-2022-36764: EDK2 is susceptible to a vulnerability in the Tcg2MeasureGptTable() function, allowing a user to trigger a heap buffer overflow via a local network. Successful exploitation of this vulnerability may result in a compromise of confidentiality, integrity, and/or availability.
- Merged the solutions from EDK2 for vulnerabilities:
 - Buffer overflow in the DHCPv6 client via a long Server ID option
 - Out-of-bounds read when handling a ND Redirect message with truncated options
 - Infinite loop when parsing unknown options in the Destination Options header
 - Infinite loop when parsing a PadN option in the Destination Options header
 - Buffer overflow when processing DNS Servers option in a DHCPv6 Advertise message
 - Predictable TCP ISNs
 - Use of a Weak PseudoRandom Number Generator"
- Patch for CVE-2023-45229: EDK2 NetworkPkg Vulnerability. The vulnerability exists due to a boundary error in the IScsiHexToBin() function in NetworkPkg/IScsiDxe. A remote attacker with ability to inject data into communication between edk2 and the iSCSI target can execute arbitrary code on the target system.
- Addressed an issue where the iSCSI SW IPv6 HDD is not found under OS when the iSCSI IpAddressType is set to Auto.
- Addressed an issue where the server may hang due to an IE function error.
- Patch the primary APIC ID for SMBIOS type 211: Some special CPUs may not have an intra-processor APIC ID == 00h and may cause wrong TControl data.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where BIOS did not report CPU status correctly to iLO and may not log correctly when an Uncorrectable Machine Check Exception (UMCE) occurs.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Prevented a non-standard VPD content from causing the UEFI read function to become write.
- Added an additional retry mechanisms to avoid a BIOS hang from iLO failure.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U43

Version: 3.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2023-45853 and CVE-2021-38575.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zi update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did not restore the Secure Boot Status.
- Addressed an issue where system might hang while accessing IML log from RBSU.

Enhancements/New Features:

- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U44

Version: 3.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2023-45853 and CVE-2021-38575.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zi update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where "Restore Manufacturing Defaults" and "Restore Defaults" from iLO web did

not restore the Secure Boot Status.

- Addressed an issue where system might hang while accessing IML log from RBSU.

Enhancements/New Features:

- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U46

Version: 2.00_03-06-2024 (Recommended)

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.4 guidance.

Problems Fixed:

- Addressed an issue where the PCI VPD data would be written unconditionally while system is accessing to PCI VPD.
- This revision of the System ROM includes the latest revision of the Intel IPU 2024.1 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2021-38575, CVE-2022-36763, CVE-2022-36764, CVE-2023-45229 and CVE-2023-45853. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- Addressed an issue where the UBM version between RBSU and iLO web pages was not synchronized.
- Addressed an issue where NVME hot plug when installing fully loaded NVME drives.
- Addressed an issue vulnerabilities in network IP stack documented as from CVE-2023-45230 to CVE-2023-45237.
- Addressed an issue where the PCIE slot control would disappear in RBSU when the PCIE switchboard is installed in the system.
- Addressed an issue where the iSCSI SW ipv6 HDD can't be found under OS when iSCSI IP Address Type option is set to "Auto" in RBSU Network Options / iSCSI Configuration / Add an iSCSI Attempt > select Network device > IP Address Type.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements

- Enhanced the SMBIOS type 203 ability for PCI device information displays that can support when the PCI slot is bifurcated.
- Added an option of "Filter Non-bootable Drives" in RBSU Boot Options.
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.

ROM Flash Firmware Package - System ROM U60

Version: 2.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2021-38575, CVE-2023-45853, CVE-2022-36763 and CVE-2022-36764.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where DmiAspmCtrl was not set accordingly when setting DMI ASPM to Disabled/L1 Enabled.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/FilterNonbootableDrive
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.
- Added "DMI Power Management (ASPM)" option in RBSU. The option has the default value of "disable", which will override default setting of "enable" from the previous ROM. This is due to enabling DMI power management might result in system hang with machine check exception based on Intel erratum RKL-15.
 - The path to the option is: Processor Options -> DMI Power Management (ASPM)
 - This setting has the Redfish property URI of: /redfish/v1/systems/1/bios/settings/E3DmiAspm

ROM Flash Firmware Package - System ROM U61

Version: 2.00_02-01-2024 (Recommended)

Important Note!

- This revision of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.1 guidance.

Problems Fixed:

- This revision of the System ROM includes the mitigation for vulnerabilities documented as CVE-2021-38575, CVE-2023-45853, CVE-2022-36763 and CVE-2022-36764.
- This revision of the System ROM includes the mitigation for NetworkPkg PXE IP stack vulnerabilities documented as CVE-2023-45229, CVE-2023-45230, CVE-2023-45231, CVE-2023-45232, CVE-2023-45233, CVE-2023-45234, CVE-2023-45235, CVE-2023-45236, and CVE-2023-45237.
- Addressed an issue where the operating system cannot detect the iSCSI hard drive through IPv6 installation if the iSCSI IpAddressType is set to auto.
- Addressed an issue where DmiAspmCtrl was not set accordingly when setting DMI ASPM to Disabled/L1 Enabled.
- This revision of the System ROM includes the latest revision of the Intel IPU 2023.4 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2023-23583. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1v update which provides mitigation for security vulnerabilities documented as CVE-2023-3817.
- Addressed an issue where system might hang while accessing IML logs from RBSU.

Enhancements:

- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/FilterNonbootableDrive
- Replaced "AC power" with "external power" in the help text of "Automatic power-on" option.
- Added "DMI Power Management (ASPM)" option in RBSU. The option has the default value of "disable", which will override default setting of "enable" from the previous ROM. This is due to enabling DMI power management might result in system hang with machine check exception based on Intel erratum RKL-15.
 - The path to the option is: Processor Options -> DMI Power Management (ASPM)
 - This setting has the Redfish property URI of: /redfish/v1/systems/1/bios/settings/E3DmiAspm

Online ROM Flash Component for Linux - iLO 5

Version: 3.08

Problems Fixed:

- Fixed an issue where an SNMP query on cpqHoMIBStatusArray status failed post upgrade to iLO 5 v3.00.
- Fixed an issue where the drives in the Embedded SATA controller were displayed in the label of Un-configured Drives instead of Drives.
- Fixed an issue where fetching the email ID for AD login users fails in a cross-domain setup, affecting the ability to send TFA tokens.
- Fixed an issue that involves a fallback mechanism to retrieve the email address from the parent domain if it cannot be fetched from the cross-domain.
- Fixed an issue where HPE iLO reports a false error Duplicate IP address after resetting HPE iLO.
- Fixed an issue where HPE iLO Shared Network Port is unable to communicate with external routable devices.
- Fixed an issue where HPE iLO may be unable to communicate with external routable devices after a power outage.
- Fixed an issue where DeviceDiscovery process failed to execute.
- Fixed the offline firmware update failure through SPH/SPR and missing the inventory of hard drives.
- Fixed iLO upgrade issue due to file upload failure.
- Fixed a potential random server restart, or Uncorrectable Machine Check Exception (UMCE), when an iLO reset is triggered.
- Fixed an issue with the iLO Firmware auto recovery process.
- Fixed an issue with the sensor index suffix in SNMP sensor name OIDs.
- Fixed an issue where, while updating the One Time Boot option to PXE boot device, the UEFI optimized boot mode was getting set to a disabled state.
- Fixed an issue with dynamic sensor number enumeration in IPMI response.
- Fixed an issue where LDAP mode used to get disabled due to version and size mismatch.
- Fixed an issue where HTTP calls to Rest server (through a web server) to create installset, initiate installset, and read installset was unstable leading to failure in BundleUpdate.
- Fixed an issue where data from Redfish when appended with available data, use to generate unexpected data.
- Fixed an issue query to memory URI response that got delayed or timed out.
- Fixed an issue where there was a communication loss between Ethernet 1Gb 4-port 331FLR adapter and iLO 5.
- Fixes for specific SNMP OIDs for RDE capable storage controllers for controller, physical drive, and logical drive properties.
- Fixed an issue where there was a communication loss between HPE Ethernet 1Gb 4-port 331FLR adapter and HPE iLO 5.
- Fixed an issue of invalid values for SNMP OIDs during SNMPWALK.
- Fixed an issue where SMBIOS data file present in NAND is removed and recreated every time a server reboots.
- Fixed an issue where physical drive status was reported incorrectly in SNMP.

Enhancements:

- Improved error messaging for HPE iLO Two Factor Authentication.
- Support for Fan speed in terms of percentage from SNMP OID Get and Walk.
- Added cypher #17 support for HPE iLO IPMI over LAN interface.
- Support for minimum 15 concurrent sessions per user for each interface.
- Support for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter.
- Support for TLS v1.3.
- Support for consistent URIs (indexes) under Ethernet interfaces for systems in Gen 10 servers at all times.
- Ability to switch from DHCP6 to static IPv6 address for the same IP address.

Online ROM Flash Component for Windows x64 - iLO 5

Version: 3.03 (Recommended)

Problems Fixed:

- Fixed incorrect messaging when FW update failed with BundleUpdateComponent download failure.
- Fixed bundle update status reporting when Component download fails after all retries done.
- Fix for incorrect temperature sensor values and sensor indices reported by iLO SNMP interface.
- Fix for inconsistent physical drive status reported by iLO SNMP interface as compared with iLO GUI or Redfish interfaces.
- Support added for sending iLO AlertMail with TLS enabled, in conformance with RFC3207.
- Fix for configuring one time boot options via in-band and out-of-band IPMI methods.
- Fix for Web User interface being rendered inaccessible after the storage tab is clicked, in a server with large number of drives.
- Slowness due to continuously polling on timer expiry leading to increased CPU utilization.
- Added timestamp register call before iLO starts VSP logging to file to fix iLO VSP locks-up after an iLO reset if there is output displayed during the iLO reset.
- Firmware update fails through iLO web interface due to loss of network connectivity to iLO. You can now retry after 5 minutes when the network connectivity with iLO is restored.
- PSU firmware upgrade flashing failure for Titanium PSUs.
- Fix has been implemented to show right data in redfish, which includes to suppress additional SetObject name when adapter provides expanded data for GET operation in RDE.
- Excessive event issue is fixed when RDE and DCi coexist on the system on iLO 5.
- Fixed potential security vulnerability CVE-2023-30911.
- Increased the maximum boot order to 512 as specified by UEFI EV specification.
- UefiDevicePath length increased from 256 bytes to 1024 bytes.
- Incorrect sensor values for some sub-components in IPMI response.
- Enforced a limit of 14 bytes for DHCP v4 clientId. An error response of "400 - Bad Request" will be observed if the length is beyond 14 characters.

Enhancements:

- Storage Page enhanced to display storage enclosure, switch and port information in the topology.

- Configuration to allow disabling/enabling all weak ciphers and key lengths for SSH and TLS interfaces in Production security mode.
- SNMP GET, GET-NEXT and WALK support added for the following storage controllers on iLO5.
 - MR216i-a Gen10 Plus
 - MR216i-p Gen10 Plus
 - MR416i-a Gen10 Plus
 - MR416i-p Gen10 Plus
 - SR932i-p Gen10 Plus
 - SR416i-a Gen10 Plus
 - NS204i-p Gen10 Plus Boot Controller
- Redfish includes direct attach backplane in Fabric collection.
- OpenSSL v1.0.2 in iLO FW is patched with Extended Master Secret support for TLS1.2.
- Gracefully handle multiple boot to UEFI commands in installset.
- Redfish includes direct attach backplane in chassis collection.
- Redfish includes downstream backplane in chassis collection.
- Added Enable/Disable of User Accounts option from Redfish and iLO GUI.
- iLO needs to provide IPv4 address for RDE enabled NIC.

Online ROM Flash Firmware Package - iLO 5

Version: 3.03 (Recommended)

Problems Fixed:

- Fixed incorrect messaging when FW update failed with BundleUpdateComponent download failure.
- Fixed bundle update status reporting when Component download fails after all retries done.
- Fix for incorrect temperature sensor values and sensor indices reported by iLO SNMP interface.
- Fix for inconsistent physical drive status reported by iLO SNMP interface as compared with iLO GUI or Redfish interfaces.
- Support added for sending iLO AlertMail with TLS enabled, in conformance with RFC3207.
- Fix for configuring one time boot options via in-band and out-of-band IPMI methods.
- Fix for Web User interface being rendered inaccessible after the storage tab is clicked, in a server with large number of drives.
- Slowness due to continuously polling on timer expiry leading to increased CPU utilization.
- Added timestamp register call before iLO starts VSP logging to file to fix iLO VSP locks-up after an iLO reset if there is output displayed during the iLO reset.
- Firmware update fails through iLO web interface due to loss of network connectivity to iLO. You can now retry after 5 minutes when the network connectivity with iLO is restored.
- PSU firmware upgrade flashing failure for Titanium PSUs.
- Fix has been implemented to show right data in redfish, which includes to suppress additional SetObject name when adapter provides expanded data for GET operation in RDE.
- Excessive event issue is fixed when RDE and DCi coexist on the system on iLO 5.

- Fixed potential security vulnerability CVE-2023-30911.
- Increased the maximum boot order to 512 as specified by UEFI EV specification.
- UefiDevicePath length increased from 256 bytes to 1024 bytes.
- Incorrect sensor values for some sub-components in IPMI response.
- Enforced a limit of 14 bytes for DHCP v4 clientId. An error response of "400 - Bad Request" will be observed if the length is beyond 14 characters.

Enhancements:

- Storage Page enhanced to display storage enclosure, switch and port information in the topology.
- Configuration to allow disabling/enabling all weak ciphers and key lengths for SSH and TLS interfaces in Production security mode.
- SNMP GET, GET-NEXT and WALK support added for the following storage controllers on iLO5.
 - MR216i-a Gen10 Plus
 - MR216i-p Gen10 Plus
 - MR416i-a Gen10 Plus
 - MR416i-p Gen10 Plus
 - SR932i-p Gen10 Plus
 - SR416i-a Gen10 Plus
 - NS204i-p Gen10 Plus Boot Controller
- Redfish includes direct attach backplane in Fabric collection.
- OpenSSL v1.0.2 in iLO FW is patched with Extended Master Secret support for TLS1.2.
- Gracefully handle multiple boot to UEFI commands in installset.
- Redfish includes direct attach backplane in chassis collection.
- Redfish includes downstream backplane in chassis collection.
- Added Enable/Disable of User Accounts option from Redfish and iLO GUI.
- iLO needs to provide IPv4 address for RDE enabled NIC.

Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows

Version: 10.1.19928.8615 (Optional)

Enhancements

- Updated Supported Environments
- Updated Supported Platforms

Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows

Version: 10.1.19886.8592 (Optional)

Enhancements

- Updated Supported Environments

Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows

Version: 10.1.19006.8299 (C) (Optional)

Enhancements

- Updated Supported Environments

Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows

Version: 10.1.19879.8585 (Optional)

Enhancements

- Updated support environments

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019

Version: 230.0.162.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 230.1.123.0 or later, for use with this driver.

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022

Version: 230.0.162.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 230.1.123.0 or later, for use with this driver.

Fixes

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- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.6.0 (Recommended)

Important Note!

- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.
- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

- This product enhances to update the install section for Device ID mapping to enable the missing configuration.
- This product enhances to compile with WDK (Windows Driver Kit) 26080.
- This product enhances to update project makefile and INF file for compilation with the new toolchain.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 230.0.162.0 (Recommended)

Important Note!

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Driver for Windows Server 2022

Version: 230.0.162.0 (Recommended)

Important Note!

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter

- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8

Version: 1.10.3-230.0.132.0 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Fixes

- This product addresses an issue when reattaching a slave device to a network bond with HWRM (Hardware Resource Manager).
- This product addresses the mutex deadlock issue when loading/unloading the bonding and bnxt_re drivers.
- This product addresses the problem where the automated process for installing RoCE drivers.
- This product addresses the problem when allocating memory with the GFP flag.
- This product addresses an issue that causes the system to crash when a virtual machine (VM) with hardware Link Aggregation Group (LAG) enabled is removed.
- This product addresses an issue where the system would crash during the process of offloading network flows to hardware.
- This product addresses an issue where the system would experience a kernel panic when unloading a module while xdpsock is running.
- This product addresses the issue where fix bug in error handling code path of the probe.
- This product addresses an issue where kernel warnings on 6.5 and newer kernels.
- This product addresses an issue where an error occurs when attempting to reinitialize a Virtual Function (VF) after performing a firmware reset and reinitializing the Physical Function (PF).
- This product addresses an issue where fix RSS table size calculation.

Enhancements

- This product enhances driver logging error messages.
- This product enhances a log message in case of failure.
- This product enhances the ethtool maximum pre-set value for the combined channels.
- This product enhances to prevent fortify memory copy warnings and errors.
- This product enhances ntuple, RSS contexts, and improved PTP timeout.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter

- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Fixes

This product addresses the problem to enabling NPAR+ SRIOV (more than supported VFs through Driver) causes system failure.

Enhancements

- This product enhances RoCE command size trimming.
- This product enhances driver logging to capture non-supported dual-rate transceiver async errors.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Fixes

This product addresses the problem to enabling NPAR+ SRIOV (more than supported VFs through Driver) causes system failure.

Enhancements

- This product enhances RoCE command size trimming.
- This product enhances driver logging to capture non-supported dual-rate transceiver async errors.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.

Version: 230.0.132.0 (Recommended)

Prerequisites

The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

- This product addresses an issue when reattaching a slave device to a network bond with HWRM (Hardware Resource Manager).

- This product addresses the mutex deadlock issue when loading/unloading the bonding and bnxt_re drivers.
- This product addresses the problem where the automated process for installing RoCE drivers.
- This product addresses the problem when allocating memory with the GFP flag.
- This product addresses an issue that causes the system to crash when a virtual machine (VM) with hardware Link Aggregation Group (LAG) enabled is removed.
- This product addresses an issue where the system would crash during the process of offloading network flows to hardware.
- This product addresses an issue where the system would experience a kernel panic when unloading a module while xdpsoc is running.
- This product addresses the issue where fix bug in error handling code path of the probe.
- This product addresses an issue where kernel warnings on 6.5 and newer kernels.
- This product addresses an issue where an error occurs when attempting to reinitialize a Virtual Function (VF) after performing a firmware reset and reinitializing the Physical Function (PF).
- This product addresses an issue where fix RSS table size calculation.

Enhancements

- This product enhances driver logging error messages.
- This product enhances a log message in case of failure.
- This product enhances the ethtool maximum pre-set value for the combined channels.
- This product enhances to prevent fortify memory copy warnings and errors.
- This product enhances ntuple, RSS contexts, and improved PTP timeout.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.6.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for

Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

- This product enhances to update the install section for Device ID mapping to enable the missing configuration.
- This product enhances to compile with WDK (Windows Driver Kit) 26080.
- This product enhances to update project makefile and INF file for compilation with the new toolchain.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- HPE Ethernet 1Gb 4-port 331FLR Adapter
- HPE Ethernet 1Gb 4-port 331T Adapter
- HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8

Version: 3.139m-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.38.x or later, for use with these drivers.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

- This product enhances to support for more Linux distributions.
- This product enhances to implement compact code to handle the kernel DMA API for tg3.
- This product enhances to implement compact code to handle the kernel DMA API for tg3.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- HPE Ethernet 1Gb 4-port 331FLR Adapter
- HPE Ethernet 1Gb 4-port 331T Adapter
- HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- HPE Ethernet 1Gb 2-port 332T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Intel E1R Driver for Windows Server 2019

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HP Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

HPE Intel E1R Driver for Windows Server 2022

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HP Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

HPE Intel i40e Drivers for Red Hat Enterprise Linux 8

Version: 2.25.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

- This product fixes an issue where the driver will honor user IRQ affinity settings.
- This product fixes an issue where the VF may be used uninitialized in the function warning.

Enhancements

- This product now adds more trace events related to SFP module IOCTLS.

- This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel i40ea Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40ea Driver for Windows Server 2022

Version: 1.19.165.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40eb Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40eb Driver for Windows Server 2022

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40en Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

- This product enhanced to support log FW Failure Critical Data in Recovery Mode.
- This product enhanced to support add module parameters pause_rx and pause_tx for Link Flow Control and enable it by default.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel i40en Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

- This product enhanced to support log FW Failure Critical Data in Recovery Mode.
- This product enhanced to support add module parameters pause_rx and pause_tx for Link Flow Control and enable it by default.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel iavf Drivers for Red Hat Enterprise Linux 8

Version: 4.11.2-1 (Recommended)

Important Note!

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.50 or later for use with these drivers.

Fixes

- This product fixes an issue where VLAN set operation may leads to deadlock.
- This product fixes an issue where a NULL pointer dereference in early reset.
- This product fixes an issue where users fail to change the number of queues (channels).
- This product fixes an issue where system hang when VFs are created and VLAN configured.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Intel igb Drivers for Red Hat Enterprise Linux 8

Version: 6.16.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8

Version: 5.20.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

This product fixes an issue where the driver will honor user IRQ affinity settings.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Intel ixgben Driver for VMware vSphere 7.0

Version: 2024.03.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.4.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Intel ixgben Driver for VMware vSphere 8.0

Version: 2024.03.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.4.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8

Version: 4.19.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

This product fixes some minor compiling issues such as warning message.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

HPE Intel ixs Driver for Windows Server 2019

Version: 4.1.254.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

HPE Intel ixs Driver for Windows Server 2022

Version: 4.1.254.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)

Version: 4.26.1-3 (Optional)

Fixes

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Enhancements

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Supported Devices and Features

4.18.0-513.5.1.el8_9 - (x86_64) and future update kernels.

HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)

Version: 24.04-0.6.6.1 (Recommended)

Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality for HPE Mellanox Ethernet-only adapters and HPE Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install HPE signed MLNX-OFED drivers from Linux Software Delivery Repository (https://downloads.linux.hpe.com/SDR/project/mlnx_ofed_cx4plus/).

Fixes

- An issue related to the comparison process between the SW steering and FW steering modes to avoid kernel crashes incidences.
- The tc_wrap tool did not work properly when VLAN was configured as the tool incorrectly handled the library function return value.
- An IPSec issue that resulted in Crypto offload getting disabled.
- Memory corruption issue when running XDP traffic.
- IFA packets were sent from the incorrect port on VF LAG.
- An issue that caused a deadlock in the flow of disabling the LAG when changing eswitch mode from switchdev to legacy when a LAG bond existed on the machine.
- In systems with 64k page size, applications opening a substantial amount of RDMA resources such as UARs, QPs, and CQs might encounter errors during the creation of these resources due to limitations in PCI BAR size.
- PFC configuration was reset when updating the cable length via mlnx_qos.

Enhancements

- Added support for Live Migration. Live migration refers to the process of moving a guest virtual machine (VM) running on one physical host to another host without disrupting normal operations or causing any downtime or other adverse effects for the end user.
- Added support for multicast control path packet snooping (IGMP/MLD) and offload of MDB notifications in order to replicate multicast traffic to multiple destinations in the hardware.
- Increased the netdev maximum channels from 128 to 256 for systems with a high number of cores.
- Enhanced performance by removing the internal Rx path from the internal page cache, thus allowing the driver to always use the kernel's page_pool.
- Enhanced performance by adding the following modifications in XDP:
 - Added XDP multi-buffer support to the default RQ type (Striding RQ)
 - Added support for XDP multi-buffer redirect-in

- Allowed non-linear single-segment frames in XDP TX MPWQE
- Increased the maximum outstanding DC atomic reads to 32 to enable the driver to handle reads larger than 8K. Now `log_max_ra_{res/req}_dc` is exposed in DV API, enabling the user to see both RC and DC values.
- Added support for Linux kernel DPLL subsystem as a mechanism for working with clock signals in NVIDIA's proprietary synchronous ethernet protocol daemon. This new mechanism enables the use of both VFs and SFs, and is supported starting from korg6.8.
- Limited the number of MADs received on the wire that are queued in the kernel as they are waiting for the user-space application to 200k per umad file. By that, preventing malicious or faulty behavior of flooding a node with MADs and exhausting its memory.
- Added the option to expose offloaded FDB state (flags, counters, etc.) via debugfs for debugging purposes.
- Added the option to expose offloaded FDB state (flags, counters, etc.) via debugfs for debugging purposes.

```
$ cat mlx5/00000000000000000000000000000000/esw/bridge/bridge1/fdb DEV MAC VLAN PACKETS BYTES LASTUSE
FLAGS enp8s0f0_1 e4:0a:05:08:00:06 2 2 204 4295567112 0x0enp8s0f0_0 e4:0a:05:08:00:03 2 3 278
4295567112 0x0
```
- Added support for over KORG 6.7 read frequency_diff.

Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 8 update 9 (x86_64) supported by this binary rpm are:

- 4.18.0-513.5.1.el8_9 (x86_64) and future update kernels.

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8

Version: 8.74.4.0-8 (Recommended)

Important Note!

Linux Driver Version ----- Linux qed 8.74.4.0 Linux qede 8.74.4.0 Linux qedr 8.74.4.0
 Linux qedi 8.74.4.0 Linux qedf 8.74.4.0
 HPE recommends the firmware provided as below for use with these drivers,

- Firmware component (HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, `ql_hp_ah_mbi_8.65.14_pldm.fwpkg`) version 8.65.14 or later is recommended for use with this driver set.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions

Version: 8.72.15.0 (Recommended)

Important Note!

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later.

Fixes

This product corrects an issue which Windows Server 2022 crashes when system has high number of logical processors.

Supported Devices and Features

- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file. HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.19.0 or later.

Fixes

This product corrects an issue which system crashed due to hardware error.

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file. HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.19.0 or later.

Fixes

This product corrects an issue which system crashed due to hardware error.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.35.0 or later, for use with this driver.

Fixes

- This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.
- This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinq qcc' command execution.

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.35.0 or later, for use with this driver.

Fixes

- This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.
- This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinq qcc' command execution.

HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8

Version: 7.15.23-2 (Recommended)

Important Note!

Driver	Version

cnic	2.5.21l
bnx2	2.2.6i
bnx2x	1.715.24
bnx2i	2.11.30.3
bnx2fc	2.12.25

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.35.0 or later, for use with these drivers.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions

Version: 7.13.206.0 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with these drivers.

Enhancements

This product enhanced the compatibility with Windows firmware component 5.3.6.0.

Intel i350 Driver for Windows Server 2019

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
 - HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
-

Intel i350 Driver for Windows Server 2022

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
 - HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
-

Intel i40ea Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE

Intel i40ea Driver for Windows Server 2022

Version: 1.19.165.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE

Intel ice Drivers for Red Hat Enterprise Linux 8

Version: 1.14.11-1 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.50 or later for use with these drivers.

Fixes

This product fixes an issue where the unexpected FW logs appears during some special environments, such as tx_timeout or NVM update.

Enhancements

- This product now supports the Link Layer Discovery Protocol (LLDP) on the VF.
- This product now supports firmware logging via the debugfs.
- This product now supports Red Hat Enterprise Linux 8 update 10.
- This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel icea Driver for Microsoft Windows Server 2022

Version: 1.15.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.50 or later, for use with this driver.

Fixes

- This product correct an issue which seeing warning message Event ID : 101 with ICEA module.
- This product correct an issue which E810 physical adapter does not display RDMA counters.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.5.

Supported Devices and Features

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel icea Driver for Windows Server 2019

Version: 1.15.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.50 or later, for use with this driver.

Fixes

This product correct an issue which E810 physical adapter does not display RDMA counters.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.5.

Supported Devices and Features

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel icen Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.50 or later, for use with these drivers.

Fixes

This product fixed an issue which NIC port was in autonegotiation mode, many DOWN/UP sequences was applied by the link partner, and NIC port remained in DOWN state randomly.

Enhancements

This product added a warning message when RDMA critical error occurs.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Intel icen Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version

4.50 or later, for use with these drivers.

Fixes

This product fixed an issue which NIC port was in autonegotiation mode, many DOWN/UP sequences was applied by the link partner, and NIC port remained in DOWN state randomly.

Enhancements

This product added a warning message when RDMA critical error occurs.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

net-mst kernel module driver component for VMware ESXi 7.0 Update 3

Version: 2023.09.20 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vibsepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

NA

Enhancements

NMST version 4.25.0.703 This version is supported on VMware ESXi 7.0 Update 3 only.

Supported Devices and Features

HPE Part Number	Device Name	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3

Version: 2024.05.28 (Recommended)

Important Note!

Important: Version 4.22.73.1006 supports VMware ESXi 7.0 Update 3 only. Known Issues with driver version 4.22.73.1006:

- Out-of-buffer packets are not being counted as Rx drops.
- Due to hardware limitations, Model 1 Level 2 and Model 2 for Enhanced Network Stack (ENS) mode in vSphere 8.0 is not supported in ConnectX-5 and ConnectX-6 adapter cards.
- The driver version in iDRAC is not displayed correctly.
- Geneve options length support is limited to 56B. Received packets with options length bigger than 56B are dropped.
- A mismatch between the uplink and the VF MTU values may result in CQE with error.
- Enabling sriov_mc_isolation module parameter may result in vmknic and emulated NICs multicast and IPv6 traffic loss.

- RDMA is not supported in the Hypervisor with ENS (Enhanced Network Stack) model 2.
- Setting the "Allow Guest MTU Change" option in vSphere Client is currently not functional. Although guest MTU changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's MTU remains the same as the PF MTU.
- ECN (Explicit congestion notification) statistic counters accumulatorsPeriod and ecnMarkedRocePackets display wrong values and cannot be cleared.
- ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.
- Card's speed remains zero after port goes down and reboot is performed.
- RoCE traffic may fail after vMotion when using namespace.
- Legacy SR-IOV is not supported with Model 1.
- When in ENS mode, changing the scheduler to HCLK, may cause traffic loss.
- The 'esxcli mellanox uplink link info -u <vmnic_name>' command reports the 'Auto negotiation' capability always as 'true'.
- SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.
- Although the max_vfs module parameter range is "0-128", due to firmware limitations, the following are the supported VFs per single port devices:
 - ConnectX-4 / ConnectX-5: up to 127

Fixes

- Performance issues were observed due to context switches over the hardware priority buffers that caused slower packet being sent when sending traffic with many different VLAN (CoS PCP/801.2p) priorities. To fix the issue, the driver provides a new module parameter trust_dscp_same_priority to map all DSCP priorities to the same traffic class to avoid such behavior.
- A specific steering rule creation issue when the teaming mode is on.
- Packets were dropped by ENS that were not set as MARK. Now MARK actions are available in both LAG and no LAG modes.

Enhancements

Supported Devices and Features

HPE Part Number	Device Name	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE000000036
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT	MT_0000000437

	Adapter	
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8

Version: 07.726.04.00 (Recommended)

Fixes

Fix an issue that kernel WARNING with call trace may be logged when server shut down/rebooted

Enhancements

- New OS support for RHEL8u9.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0

Version: 2023.12.01 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Enhancements

- New release for version 7.726.02.00.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0

Version: 2023.12.01 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Enhancements

- New release for version 7.726.02.00.
- This new 7.26 release have not completed vSAN certification, please don't update for vSAN environment for now. Target to complete vSAN certification by end of February 2024.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition

Version: 7.726.1.0 (Recommended)

Enhancements

- New release for version 7.726.1.0.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition

Version: 7.726.1.0 (Recommended)

Enhancements

- New release for version 7.726.1.0.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).

Version: 2024.10.01 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 70.4672.0.104

Fixes

- Fixed an issue where a PSOD occurred during array delete operations.
- Fixed an issue where failed logical volumes take too long to be removed at the OS level.
- Fixed an issue where NVMe drives were not discovered after hot-plug operation.
- Fixed a potential data loss risk for SmartCache Logical Drives configured in WriteBack mode during shutdown.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).

Version: 2024.10.01 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 80.4672.0.104

Fixes

- Fixed an issue where a PSOD occurred during array delete operations.
- Fixed an issue where failed logical volumes take too long to be removed at the OS level.
- Fixed an issue where NVMe drives were not discovered after hot-plug operation.

- Fixed a potential data loss risk for SmartCache Logical Drives configured in WriteBack mode during shutdown.

HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)

Version: 2.1.30-031 (Recommended)

Fixes

- Fixed an issue where the driver incorrectly handled multi-path failover.
- Fixed an issue where the driver could hang under heavy I/O load.

Supported Devices and Features

-default- Red Hat Enterprise Linux 8 Update 0 (64-bit).

HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022

Version: 1010.108.0.1015 (Recommended)

Important Note!

- No Windows 2016 driver updates are available. Windows 2016 driver development has ended with version 1010.84.0.1012.
- Windows 2025 support is not yet available in this driver version. It will be included in the next release.

Fixes

- Fixed an issue with controllers having encrypted boot logical drives using Remote Key Management Mode.
- Fixed an issue with controllers having encrypted boot logical drives using Remote Key Management Mode.

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019

Version: 14.4.313.0 (Recommended)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:
The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version Each kit folder has subsequent

architecture folders with subsequent OS folders. For example,
C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022

Version: 14.4.313.0 (Recommended)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:
The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example,
C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2022

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019

Version: 9.4.10.20 (Recommended)

Important Note!

Release Notes:HPE QLogic Adapters Release Notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Updated to version 9.4.10.20

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022

Version: 9.4.10.20 (Recommended)

Important Note!

Release Notes:HPE QLogic Adapters Release Notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Updated to version 9.4.10.20

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters

Version: 14.4.329.9 (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Updated to version 14.4.329.9

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.12.01-k1 (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019

Version: 4.7.1.0 (E) (Optional)

Important Note!

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

Enhancements

- Updated SBOM requirement

iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (F) (Optional)

Important Note!

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

Enhancements

- Updated supported environments

iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019

Version: 4.7.1.0 (E) (Optional)

Enhancements

- Updated SBOM requirement

iLO 5 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (F) (Optional)

Enhancements

- Updated supported environments

Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit

Version: 9.15.1.248 (F) (Optional)

Enhancements

- Updated supported environments

Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit

Version: 9.15.1.268 (Optional)

Enhancements

- Added Supported Environments
- Added Supported Platforms

Broadcom Firmware Package for BCM5741x adapters

Version: 230.1.123.0 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.

- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.
- The product addresses an issue where temperature error messages exceed critical values as seen in the Redfish Device Enablement (RDE) Ports schema when the LinkState is set to Disabled.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

Supported Devices and Features

Broadcom Firmware Package for BCM5750x adapters

Version: 230.1.123.0 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where RDE Port LLDPReceive ManagementAddressMAC returned empty string when it's not present.
- This product addresses an issue where Ethtool shows wrong module type when a port is in a certain breakout mode.
- This product addresses an issue where in low temperature test, BMC reading module temperature result is 0xff.
- This product addresses an issue where failure to set default values for firmware speed capabilities.
- This product enhances support for loopback port statistics via HWRM (Hardware Resource Manager).
- This product addresses an issue where flow control status in dmesg shows wrong TX and RX negotiated status.
- This product addresses an issue where fixed bnxtnm to verify the VPD data before writing to the NVM.
- This product addresses an issue where ping failures between allmulticast enabled VFs.
- This product addresses where the RoCE protocol's read_context function in the HWRM (Hardware Resource Manager) component was failing when dealing with the Completion Queue.

Enhancements

- This product enhances the core-dump missing a few entries.
- This product enhances the Hardware CoS queue re-configuration between ifdown/ifup.
- This product enhances to add support for enable/disable RDMA to NCSI command NcsiCmd_Set_Partition_Cfg_cmd function.

- This product enhances to add support store PLDM Monitoring and Control events before BMC's SetEventReceiver command.
- This product addresses an issue where Tx timeout detected in dmesg while running L2 traffic with 9600 MTU.

Supported Devices and Features

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.38.0 (Recommended)

Important Note!

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.139m or later, for use with this firmware.

Prerequisites

- Follow the command line to bring up ethernet device:
- Follow the command line to bring up ethernet device:# ifup ethX or ifconfig ethX up or wicked ifup ethXIf local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.39.0 (Recommended)

Important Note!

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.74

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.2.0 (Recommended)

Important Note!

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.74

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.

- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters

Version: 230.1.123000 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.

Version: 2.38.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen10 server series.
- HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.139m or later, for use with this firmware.

Prerequisites

- Follow the command line to bring up ethernet device:
- Follow the command line to bring up ethernet device: If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Enhancements

This product enhances NVRAM configuration during the firmware upgrade.

HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.

Version: 1.39.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen10 server series.
- This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.55	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.55	21.6.74

- For previous firmware versions prior to v20.19.51, please refer to the link :
<https://www.hpe.com/global/swpublishing/MTX-4f19da2bceff4b73a31531d71e>

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhances NVRAM configuration during the firmware upgrade.

HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only

Version: 5.4.2.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen10 server series.
- This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.55	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.55	21.6.74

For previous firmware versions prior to v20.19.51, please refer to the link :
<https://www.hpe.com/global/swpublishing/MTX-edfaebf19e1b4179bb5e792e73>

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

- This product enhances to add an optional param for CRC (Cyclic Redundancy Check) command to skip the auto fix.
- This product enhances NVRAM configuration during the firmware upgrade.

HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 5.4.2.0 (Recommended)

Important Note!

- This software package contains the following firmware versions for the below listed supported network adapters:
- This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3612.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3612.0	10.55.3

- The combo image v1.3612.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04
- Single NVM Version is new firmware format which represent an unified version in place of the previously

used EEPROM/NVM Version or OROM version.

- This software package no longer contains Firmware for the below listed supported network adapters:
- The latest firmware version of above adapters, please refer to the link :
https://support.hpe.com/connect/s/software/details?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 1.31.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen9 and Gen10 server series.
- HPE Intel igb Drivers for Linux, versions 6.16.9-1 or later
- HPE Intel ixgbe Drivers for Linux , versions 5.20.9-1 or later
- HPE Intel i40e Drivers for Linux, versions 2.25.9-1 or later

Prerequisites

- Follow the command line to bring up ethernet device:
- Follow the command line to bring up ethernet device:If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 3.24.0 (Recommended)

Important Note!

- This software package contains the following firmware versions for the below listed supported network adapters:
- This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NV M Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361i Adapter	8000119A	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3612.0	N/A

HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3612.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3612.0	10.55.3

- The combo image v1.3612.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04
- Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.
-
- This software package no longer contains Firmware for the below listed supported network adapters:
- The latest firmware version of above adapters, please refer to the link :
https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes
- The latest firmware version of above adapters, please refer to the link :
https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.14 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.74.4.0-8 or later
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version

8.72.15.0 or later

- HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2024.09.00 or later

This software package contains combo image v8.65.14. This combo image includes: Boot Code (MFW): 8.65.5.0, PXE:2.0.19, and UEFI: 4.1.13.1.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.35.0 (Recommended)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.15.23-2 or later, for use with the firmware in this package.

Prerequisites

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.35.0 (Recommended)

Important Note!

This software package contains combo image v7.19.27 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.3.7.0 (Recommended)

Important Note!

- HPE QLogic NX2 10/20GbE Multifunction Drivers for Windows Server x64 Editions, version 7.13.206.0 or later

This software package contains combo image v7.19.27 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

The users will only see the combo image versions in the interactive mode firmware update or while using HPESUM/SPP to update the firmware on the supported adapters."

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with drivers.

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.50 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel ica Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter

Version: 4.50 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter

Version: 4.50 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel iceda Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhanced to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware

rollback may be seen with LLDP enabled.

- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter

Version: 4.50 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter

Version: 4.50 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset

RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.
- This product addressed an issue where data is interchanged of Port 1 and Port 4 when running a Redfish GET Operation under the NetworkAdapter, NetworkDeviceFunctions and Port Schema with "Metrics" properties.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.31.0 (Recommended)

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Intel Online Firmware Upgrade Utility for VMware

Version: 3.24.0 (Recommended)

Important Note!

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/N VM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F134	1.3602.0	9.5
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F13D	1.3602.0	9.5

Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3602.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3602.0	N/A

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.2.0 (Recommended)

Important Note!

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/N VM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000F134	1.3602.0	9.5
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F13D	1.3602.0	9.5
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3602.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3602.0	N/A

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Version: 26.41.1000 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/known+issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 26.41.1000:

- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet l4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 26.41.1000 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/known+issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio

q object.

- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

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- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet I4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551

Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 16.35.3502 (Recommended)

Important Note!

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.3502.

Enhancements

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device. New features and changes included in version 16.35.3502:

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21

Version: 16.35.4030 (Recommended)

Important Note!

Choose the appropriate firmware file format based on your preference and what suits your environment. Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device. New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter(P31246-B21 and P31246-H21)	16.35.4030	MT_0000000591

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.41.1000 (Recommended)

Important Note!

Choose the appropriate firmware file format based on your preference and what suits your environment. ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet

according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16	20.41.1000	MT_0000000594
MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)		

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.41.1000 (Recommended)

Important Note!

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- GTP length field was automatically modified at the TX side when an incorrect or invalid length was detected.
- Switch port would go down due to MC packets mirrored back to the switch when in promiscuous mode.
- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 22.41.1000:

- The new unified_fdb subdomain simplifies the FDB model by eliminating the need to duplicate rules for RX and TX tables. This domain is directionless, meaning no RX/TX specific actions are allowed. Firmware now handles packet transitions IN and OUT of the unified domain, allowing for a more streamlined packet flow management. Software can now transition between unified_fdb and FDB_RX/FDB_TX domains as long as the packet maintains the same direction, without the risk of dropping the packet when crossing between RX and TX.
- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added the ability to generate up to 2^30 STE objects through the general object creation command.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet l4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437

Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter

Version: 16.35.3502 (Recommended)

Important Note!

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purchase of the HPE product or solution. A list of known issues with this release is available at:
<https://docs.nvidia.com/networking/display/connectx5firmwarev16353502/known+issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.3502.

Enhancements

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F- ACHT Adapter	MT_0000000416

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.8 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.

- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0. No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it: PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0

Version: 1.0.7 (Recommended)

Fixes

- Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
 - Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
 - VF FLR would get stuck when its PF triggered the FLR as well.
 - Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver

configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0

Version: 1.0.8 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 20.41.1000:

- Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.4 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.

- Packet Pacing rate was used if asymmetric VFs was enabled.
 - Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
 - Issue with RSS on IPsec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
 - The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.
- No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it: PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0

Version: 1.0.3 (Recommended)

Fixes

- Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
 - Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
 - VF FLR would get stuck when its PF triggered the FLR as well.

- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0

Version: 1.0.4 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 20.41.1000:

- Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters

Version: 1.0.21 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.

- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0. No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX4 and ConnectX5 devices on Linux x86_64 platform

Version: 1.0.16 (Recommended)

Fixes

Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.

- Increased PHY power consumption limit to 1.5w.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver

configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform

Version: 1.0.14 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 20.41.1000:

- Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters

Version: 1.0.0.21 (A) (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.

- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0. No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it: PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX4 and ConnectX5 devices on Windows x86_64 platform

Version: 1.0.0.15 (Recommended)

Fixes

Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.

- Increased PHY power consumption limit to 1.5w.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver

configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device. New features and changes included in version 1.0.0.15:

- Added firmware flash support on Microsoft Windows Server 2025.
- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX6 devices on Windows x86_64 platform

Version: 1.0.0.10 (Recommended)

Important Note!

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand				
Port #1 - Ethernet	HDR/HDR100	EDR	FDR	QDR
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

Port #2 - Ethernet				
Port #1 - InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported

EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 20.41.1000:

- Added support for steering match on packet I4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (L) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Maintenance firmware release to introduce fixes from previous firmware.

Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Maintenance firmware release to introduce fixes from previous firmware.

Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives

Version: 4ICRHPK3 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives

Version: 85032G00 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix known FW bug PI/CI indexing issue
- Fix known FW bug PI/CI indexing issue

Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives

Version: 4ICRHPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives

Version: 85032G00 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.

- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives

Version: 4ICRHPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives

Version: 85032G00 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP

Version: HPK1 (Recommended)

Fixes

- Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on Gen11 x2 direct attached system.
- Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on Gen11 x2 direct attached system.

Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA

Version: HPK5 (Recommended)

Fixes

- This firmware provides bug fixes for the P5620/P5520.
- This firmware provides bug fixes for the P5620/P5520.

Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA

Version: HPK4 (Recommended)

Important Note!

If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Fixes

- Firmware maintenance release on HPK4.
- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.
- If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Universal Firmware Package for Drives - VR000480KXLXF

Version: HPK3 (Recommended)

Fixes

- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK3 to HPK2, a reset/POR is required.
- SSID will change from a801 to 03b5 after FW update to HPK3.
- SSID will change from a801 to 03b5 after FW update to HPK3.

Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ

Version: HPK2 (Recommended)

Fixes

- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.
- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.

Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ

Version: HPK2 (Recommended)

Important Note!

HPK2 FW adding 15.36T HPE model number and not allowing user to flash back (flash downgrade) to prevent the issue on 15.36T drive.

Fixes

- This version of FW now supports the 15.36TB model and FW fixes of drive time-out/failures.
- This version of FW now supports the 15.36TB model and FW fixes of drive time-out/failures.

Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB

Version: HPS3 (Recommended)

Fixes

- Improvements to our out-of-band message handling to ensure robust device management capabilities
- Changes to improve our PCIe link compatibility as well as device reliability
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.

Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 0.2.3.0 (C) (Recommended)

Prerequisites

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

Enhancements

Version 0.2.3.0 firmware

Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors

Version: 1.1.4 (B) (Recommended)

Enhancements

Version 1.1.4 firmware

Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors

Version: 1.1.4 (B) (Recommended)

Enhancements

Version 1.1.4 firmware

Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

Enhancements

Version 1.0.0.22 firmware

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors

Version: 1.1.4 (Recommended)

Enhancements

Version 1.1.4 firmware

***REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH**

Drives

Version: HPDB (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

***REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH**

Drives

Version: HPDB (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

***REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH**

Drives

Version: HPDB (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with

Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive

Version: HPD5 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive

Version: HPD3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (K) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTL, VO003840JWTK, VO007680JWTK, MO000400JWTK, MO000800JWTK, MO001600JWTK, MO003200JWTK, MO006400JWTK, EO000400JWTK, EO000800JWTK and EO001600JWTK Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYP, EO1600JVYP, MK0800JVYP and MO1600JVYP Drives

Version: HPD7 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK

Drives

Version: HPD5 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Maintenance firmware release to introduce fixes from previous firmware.

Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive

Version: HPD2 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive

Version: HPD2 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

(D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method.
- Fixed flashing issue through SDR method.

Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (L) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive

Version: HPD4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

(D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (M) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives

Version: HPD5 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Maintenance firmware release to introduce fixes from previous firmware.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive

Version: HPD5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive

Version: HPD3 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTK, VO001920JWTK, VO003840JWTK, VO007680JWTK, MO000400JWTK, MO000800JWTK, MO001600JWTK, MO003200JWTK, MO006400JWTK, EO000400JWTK, EO000800JWTK, EO001600JWTK Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCL, VO007680XZCL, MO000800XZCL and MO001600XZCL Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive

Version: HPD2 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive

Version: HPDA (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (L) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JFWFU and MO003840JFWV Drives

Version: HPD5 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives

Version: HPD2 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive

Version: HPD5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive

Version: HPD3 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Sever 2025.
- Added support for Microsoft Windows Sever 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Sever 2025.
- Added support for Microsoft Windows Sever 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHHM Drive

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive

Version: HPD2 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPG1 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025
- Added support for Microsoft Windows Server 2025

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFB Drives

Version: HPD8 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive

Version: HPDA (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB01800JXMTH and MB02000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVW

Drives

Version: HPD5 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBV, MO001600JXBFP, MO003200JXBFB, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTK, VO001920JWTL, VO003840JWTK, VO007680JWTK, MO000400JWTK, MO000800JWTK, MO001600JWTK, MO003200JWTK, MO006400JWTK, EO000400JWTK, EO000800JWTK and EO001600JWTK Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MB020000JXMVU

Version: HPD1 (Recommended)

Fixes

- An error was found in the queue fullhandling process that results in the FUA bit not getting properly set, which could lead to the drive self-initiated reset
- The FW fix is to resolve the handling of FUA bit during the queue full handling process has been implemented
- The FW was confirmed to resolve the issue of drives resetting under queue full handling situations.
- The FW was confirmed to resolve the issue of drives resetting under queue full handling situations.

Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD

Version: HPD1 (Recommended)

Fixes

- Improve random read/write performance.

- Improve random read/write performance.

Universal Firmware Package for Drives - MB2400JYEVE

Version: HPD1 (Recommended)

Fixes

- Improve random read/write performance.
- Improve random read/write performance.

Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE

Version: HPD5 (Recommended)

Fixes

- This firmware version fixes a bug with the unmap command that may cause a drive hang
- This firmware version fixes a bug with the unmap command that may cause a drive hang

Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD

Version: HPD4 (Critical)

Fixes

- To fix - Frequent insertion of low priority commands during IO execution may lead to drive offline randomly.
- To fix - Frequent insertion of low priority commands during IO execution may lead to drive offline randomly. For more information, refer to HPE Customer Advisory at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00141941en_us

Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU

Version: HPD2 (Recommended)

Fixes

- For commands that have reported errors to the host, FW has been changed so that new commands are registered after FW performs Abort process for the corresponding command in the command management table.

Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA

Version: HPD3 (Critical)

Fixes

- It has fix code for V6 read disturb and other issues.

- For more information, refer to HPE Customer Bulletin at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us
- For more information, refer to HPE Customer Bulletin at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us

Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU

Version: HPD3 (Critical)

Fixes

- It has fix code for V6 Read disturb issue and other issue.
- For more information, refer to HPE Customer Bulletin at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us
- For more information, refer to HPE Customer Bulletin at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us

Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU

Version: HPD1 (Recommended)

Fixes

- This fix is for unrecovered errors may occur on the targeted Blocks of Wear-leveling process when host issues Read command.
- This fix is for unrecovered errors may occur on the targeted Blocks of Wear-leveling process when host issues Read command.

Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives

Version: HPG1 (L) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive

Version: HPG1 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive

Version: HPG1 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive

Version: HPG1 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPG1 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive

Version: HPG5 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (K) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive

Version: HPG4 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive

Version: HPG6 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive

Version: HPG9 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives

Version: HPG5 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG4 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives

Version: HPG1 (H) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive

Version: HPG3 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive

Version: HPG3 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPG1 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

Version: HPG1 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives

Version: HPG8 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive

Version: HPG1 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive

Version: HPG1 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (J) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive

Version: HPG5 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive

Version: HPG4 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.

Version: HPG1 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive

Version: HPG6 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive

Version: HPG9 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives

Version: HPG5 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives

Version: HPG4 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives

Version: HPG1 (F) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.

Version: HPG1 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (H) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives

Version: HPG6 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory

(ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives

Version: HPG1 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPG1 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives

Version: HPG8 (H) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive

Version: HPG1 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory

(ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive

Version: HPG1 (I) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is

supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (H) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive

Version: HPG5 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (H) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive

Version: HPG4 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is

supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

Version: HPG6 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive

Version: HPG9 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives

Version: HPG5 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG4 (G) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Fixes

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (B) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive

Version: HPG3 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD

Version: HPG1 (Recommended)

Fixes

Optimize thermal maximum continuous operation temperature values.

Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN

Version: HPG1 (Critical)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- For more information, refer to HPE Customer Advisory at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00138902en_us which will be active on 24-April-2024.
- For more information, refer to HPE Customer Advisory at the following URL:
https://support.hpe.com/hpesc/public/docDisplay?docId=a00138902en_us which will be active on 24-April-2024.

Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN

Version: HPG1 (Recommended)

Fixes

Update maximum continuous operation temperature values for host thermal management and reporting.

Universal Firmware Package for Drives -

**MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYC
NH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and
VR000480GXPQU**

Version: HPG3 (Recommended)

Fixes

- HPG3 is a planned maintenance release covering bug fixes for 2.5" and M.2. There are no critical functional updates, and risk is low for customers who do not upgrade, especially if drives are not stored without power for a long period of time (~2 years).

- HPG3 is a planned maintenance release covering bug fixes for 2.5" and M.2. There are no critical functional updates, and risk is low for customers who do not upgrade, especially if drives are not stored without power for a long period of time (~2 years).

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers

Version: 7.11 (Recommended)

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed volume issues on the failed drive.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.
- Fixed an issue where ILORest return "AccelerationMethod" as "ControllerCache" instead of "none" when controller cache is not enable or preset."
- Fixed an issue where ILORest return "AccelerationMethod" as "ControllerCache" instead of "none" when controller cache is not enable or preset."

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved random write and mixed read-write performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
 - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:

- Storage.EncryptionMode
- Storage.HotspareActivationPolicy
- Drive.HostspareReplacementMode
- Drive.HotspareType
- Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
 - Drive
 - Port
 - StorageController
 - StorageController.CacheSummary
 - Volume
- Added support for Redfish properties:
 - Drive.DriveFormFactor
 - Drive.FirmwareVersion
 - Drive.Manufacture (SAS only)
 - Drive.SlotCapableProtocols
 - StorageController.AssetTag
 - StorageController.Links.PCIEFunction
 - Volume.BlockSizeBytes
 - Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1013 (Recommended)

Important Note!

- Windows: <https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433>
- Vmware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>
- Vmware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

- Fixed an issue that iLO reports NS204i PLDM firmware update failure, but the firmware update is actually successful and will be activated in next reboot
- Fixed an issue that the M.2 attached are listed in iLO Device Inventory

- Corrected the drive state of performing Storage.ResetToDefaults with ResetAll type
- Allowed empty JSON payload for SecureErase and corrected the returned status when the previous one is either in process or completed.
- Allowed empty JSON payload for SecureErase and corrected the returned status when the previous one is either in process or completed.

Enhancements

- Add @Redfish.AllowableValues, @Redfish.AllowablePattern, @Redfish.AllowableNumbers and @Redfish.WritableProperties for Redfish Annotations
- Add StorageController.Links, Drive.SlotCapableProtocols and Storage.AutoVolumeCreate for Redfish GET
- Add StorageController.ControllerRates and Volume.DisplayName for Redfish PATCH
- Add StorageController.ControllerRates and Volume.DisplayName for Redfish PATCH

Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.
- This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.
- This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.
- This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.
- This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.30.106 (Recommended)

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed an issue where a possible controller lockup was observed after a factory reset.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.

- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed SPDM-related issues.
- Fixed issues related to volume creation and rebuilding.
- Fixed volume issues on the failed drive.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved RAID 1/10 write sequential performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
 - Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
 - Storage.EncryptionMode
 - Storage.HotspareActivationPolicy
 - Drive.HostspareReplacementMode
 - Drive.HotspareType
 - Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
 - Drive
 - Port
 - StorageController
 - StorageController.CacheSummary

- Volume
- Added support for Redfish properties:
- Drive.DriveFormFactor
- Drive.FirmwareVersion
- Drive.Manufacture (SAS only)
- Drive.SlotCapableProtocols
- StorageController.AssetTag
- StorageController.Links.PCIEFunction
- Volume.BlockSizeBytes
- Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 5.15 (B) (Recommended)

Important Note!

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.
- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

Enhancements

- Support HPE ProLiant DL180 Gen10 Server
- Support HPE ProLiant DL180 Gen10 Server

Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 5.15 (C) (Recommended)

Important Note!

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.
- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

Enhancements

Support Microsoft Windows Server 2025.

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)

Version: 2024.09.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> Additional requirements:Environment must be running the syslog daemon for the flash engine to run Environment must have 32-bit netlink library (libnl.so) installed for component to be able to discover Emulex Host Bus Adapters(HBAs)

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Bus Adapter					
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64

Version: 2024.09.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Host Bus Adapter					
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:
<http://www.hpe.com/storage/spock/>

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Single Port Fibre Channel Host Bus Adapter					
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Bus Adapter					
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Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes:This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>The HPE supplied enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

- It is advised to provide read-write permissions on /var/tmp folder. Firmware deployment via Service Pack for ProLiant(SPP) might be unsuccessful in some cases , if read-write(rw) permissions are not enable on /tmp or /var/tmp directories.
- It is advised to provide read-write permissions on /var/tmp folder. Firmware deployment via Service Pack for ProLiant(SPP) might be unsuccessful in some cases , if read-write(rw) permissions are not enable on /tmp or /var/tmp directories.

Enhancements

Release Notes:This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel	32Gb	02.04.01	9.15.00	7.25	3.68

Host Bus Adapter					
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following

link:<http://www.hpe.com/storage/spock/>

Fixes

Fixed the following behavior:Temperature Misreading: the adapter was reading incorrect reading of the temperature on the HPE SN1610Q 32Gb Fibre Channel Host Bus adapter's Small Form-factor Pluggable. The symptom would result in a temperature spike and potentially reset the system

Enhancements

Release Notes:This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes:This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual	16Gb	02.04.01	9.15.00	7.25	3.68

Port PCIe Fibre Channel Host Bus Adapter					
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Release Notes: This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter

- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/>

Enhancements

Release Notes: This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus	16Gb	02.04.01	9.15.00	7.25	3.68

Adapter					
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

Firmware Package - Gen10 NVMe Backplane PIC Firmware

Version: 1.24 (F) (Recommended)

Prerequisites

iLO 5 version 1.10 or later is required.

Enhancements

Support ESXi8.0

Firmware Package - UBM1 Backplane PIC PLDM Firmware

Version: 1.46 (B) (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM1 firmware when attached to HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P816i-a and P416ie-m SR Gen10 controllers(Firmware version 5.32 or later is need)
- PLDM FWPKG component can be supported installation of UBM1 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM1 firmware when direct attached the the server

Prerequisites

- iLO 5 version 2.72 or later is required.
- iLO 5 version 2.72 or later is required.

Enhancements

- Initial version for UBM FWPKG.
- Support RHEL9 and ESXi8.0
- Support RHEL9 and ESXi8.0

Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers

Version: 1.20 (E) (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM2 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE smart array controllers(Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM2 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM2 firmware when direct attached the the server

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.24 (E) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM3 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE smart array controllers(Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM3 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM3 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.

- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers

Enhancements

- Support new ML110 and DL560 Gen11 servers
- Support new ML110 and DL560 Gen11 servers

Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.24 (F) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM4 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.04 (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM6 firmware when attached to HPE SR416i/SR932 controllers(Firmware version 3.01.09.056 or later is need) or HPE Smart Array controllers (Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable

3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 0.2.3.0 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

Enhancements

Version 0.2.3.0 firmware

Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable

3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 04.01.05.002 (B) (Recommended)

Enhancements

Version 04.01.05.002 firmware

Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable

4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (B) (Recommended)

Enhancements

Version 04.04.04.603 firmware

Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable

3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 04.01.05.002 (C) (Recommended)

Enhancements

Version 04.01.05.002 firmware

Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable

4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (B) (Recommended)

Enhancements

Version 04.04.04.603 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (Recommended)

Enhancements

Version 05.01.04.913 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant (SPP).

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

Enhancements

Version 1.0.0.22 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (B) (Recommended)

Enhancements

Version 05.01.04.913 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 firmware

ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 0.2.3.0 (B) (Recommended)

Prerequisites

System ROM V1.26 or later iLO 5 v1.20 or later

Enhancements

Version 0.2.3.0 firmware

ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

System ROM V1.26 or later iLO 5 v1.20 or later

Enhancements

Version 1.0.0.22 firmware

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 04.01.05.002 (Recommended)

Enhancements

Version 04.01.05.002 firmware

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (Recommended)

Enhancements

Version 04.04.04.603 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (Recommended)

Enhancements

Version 05.01.04.913 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (Recommended)

Fixes

See the release document in Download Product Binaries page from Product Summary of the firmware product.

Enhancements

Version 06.00.03.604 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (Recommended)

Fixes

See the release document in Download Product Binaries page from Product Summary of the firmware product.

Enhancements

Version 06.00.03.604 firmware

HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)

Version: 6.0.0-0 (A) (Optional)

Prerequisites

Customers who manually compile and install openssl or intentionally relocate /usr/bin/openssl, need to set PATH environment variable to direct HPONCFG to the right/intended openssl.

Fixes

Enabling rpm installation when OS is in FIPS mode

Enhancements

none

HPE Lights-Out Online Configuration Utility for Windows x64 Editions

Version: 6.0.0.0 (Optional)

Important Note!

RIBCL and the scripting tools including HPQLOCFG, HPE Lights-Out XML PERL Scripting Sample for Linux (includes LOCFG.PL), HPE Lights-Out XML Scripting Sample for Windows, HPONCFG for Windows, HPONCFG for Linux, and HPLMIG have entered the sustenance stage. HPE will now provide only critical bugs and security fixes for RIBCL and the scripting tools. Hewlett Packard Enterprise recommends using the iLOREST Tool (Download Pages and User Guide) or iLO RESTful API

Prerequisites

- Integrated Lights-Out 5 firmware v1.30 or later
 - Integrated Lights-Out 6 firmware v1.10 or later
- Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

Enhancements

Introduced support for iLO 6.

HPE Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers

Version: 2024.03.01 (Recommended)

Fixes

- Fixed OID name hrSystemUptime is reported incorrectly
- Fixed OID name hrSystemUptime is reported incorrectly

HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0

Version: 2024.09.01 (Recommended)

Enhancements

This product carries SBOM signatures.

HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0

Version: 2024.09.01 (Recommended)

Enhancements

This product carries SBOM signatures.

HPE iLO Driver Bundle Smart Component for ESXi 7.0 and ESXi 8.0

Version: 2024.09.00 (Recommended)

Enhancements

Revise the product name to support ESXi 8.0.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11

Controllers

Version: 2024.10.01 (Recommended)

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPITING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPITING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11

Controllers

Version: 2024.10.01 (Recommended)

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue on VMware ESXi 8.0 U2 where not all controllers were shown via esxcli.
- Fixed an issue on VMware ESXi 8.0 U2 where the create and delete config, as well as other modify operations, were not working.
- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPITING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPITING tool to restore a

RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)

Version: 2023.12.01 (Recommended)

Enhancements

- Support autoconfig command.
- Support autoconfig command. storcli /cx set autoconfig = < none | JBOD >
- Added a new option [ReuseTargetId] to add vd command. If "ReuseTargetId" is mentioned in the add vd command, the FW will allow reusing of TargetIDs without 120 seconds delay.
- Added support for UBM7 backplanes.
- Support new HPE ProLiant DL145 Gen11 server.
- Support new HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)

Version: 2024.06.01 (Recommended)

Fixes

Fix an issue that VMware 8.0 command throws storcli plugin error.

Enhancements

- Support new HPE ProLiant DL145 Gen11 server.
- Support new HPE ProLiant DL145 Gen11 server.

HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions

Version: 1.2.1.69 (Recommended)

Enhancements

Support Microsoft Windows Server 2025.

HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following

link:<http://www.hpe.com/storage/spock/>

Enhancements

Driver version 5.3.83.1

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file. This driver is only supported on VMware ESXi 8.0u3

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Driver version 5.4.82.1

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

Enhancements

Updated to Driver version 14.2.673.36

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)

Version: 4.2-1 (i) (Optional)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Requires the following packages to be installed: glibc libgcc libstdc++ bash perl

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server

Version: 14.4.329.3 (Recommended)

Important Note!

Release notes:Broadcom Release notes

The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.) Updated to version 14.4.329.3

Prerequisites

The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

Enhancements

Updated to version 14.4.329.3

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter

- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)

Version: 1.0.0.1 (p) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. Obtain Smart SAN User Guide for 3PAR at following link: HPE Smart SAN for 3PAR 2.0 User Guide

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The latest Emulex FC driver 14.0.534.0 is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/> However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (f) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. Obtain Smart SAN User Guide for 3PAR at following link: HPE Smart SAN for 3PAR 2.0 User Guide

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:[The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com. HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver v14.0.534.0 cp054531.exe](#) However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Emulex Smart SAN Enablement Kit for Linux

Version: 1.0.0.0-4 (p) (Optional)

Important Note!

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:[Storage Information Library](#) By default, HP 3PAR Storage is selected under Products and Solutions.

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:[The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.](#) However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux

Version: 6.0.0.1-4 (b) (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Enhancements

Updated the kit to version 6.0.0.1-4

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)

Version: 1.0.0.1 (n) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: HPE Smart SAN for 3PAR 2.0 User Guide

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2016 version 9.4.6.20, cp054431.exe.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2019 version 9.4.6.20, cp054432.exe.

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

- HPE SN1100Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (e) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: HPE Smart SAN for 3PAR 2.0 User Guide

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2022 version 9.4.6.20, cp054433.exe

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

- HPE SN1100Q 16Gb Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16Gb Single Port PCIe Fibre Channel Host Bus Adapter

- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Smart SAN enablement kit for Linux

Version: 3.3-3 (p) (Optional)

Important Note!

Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- Red Hat Enterprise Linux 8 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.01-k1.
- Red Hat Enterprise Linux 9 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.01-k1.

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

Agentless Management Service (iLO 5, iLO 6) for Red Hat Enterprise Linux 9 Server

Version: 3.6.0 (Optional)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server

Version: 3.6.0 (Optional)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus Servers and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

Agentless Management Service for Microsoft Windows x64

Version: 2.60.0.0 (Recommended)

Important Note!

- During AMS installation in interactive mode, there is pop up message to selectively install SMA.
 - If Yes is selected, SMA service will be installed and set to running state.
 - If No is selected, SMA service will be installed but the service is not enabled.
- During AMS installation in silent mode, SMA is installed but the service is not enabled.
- To enable SMA service at a later time, go to the following folder: %ProgramFiles%\%OEM%\AMS\Service\ (Typically c:\Program Files\%OEM%\AMS\Service) and execute "EnableSma.bat /f"
- IMPORTANT: The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat".
- To disable SMA after it has been enabled, go to the following folder: %ProgramFiles%\%OEM%\AMS\Service\ (Typically c:\Program Files\%OEM%\AMS\Service) and execute "DisableSma.bat /f"
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process). If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly."
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process). If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly." .AMS Control Panel Applet:

- The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.
- Test trap generated from AMS Control Panel Applet requires iLO5 firmware version 2.10 and newer.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

Prerequisites

Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)

Version: 8.6.18.0 (B) (Recommended)

Prerequisites

- For SLES15 and above platforms, one of the dependent rpms - 'insserv-compat' is required during installation/uninstallation. This is needed because MRSA startup script is based on SysV/init script and insserv adds as a bridge between SysV/init script and systemctl.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.

Enhancements

Support HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)

Version: 8.6.18.0 (D) (Recommended)

Enhancements

Support Microsoft Windows Server 2025

HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)

Version: 007.2613.0000.0000 (B) (Optional)

Enhancements

Support HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)

Version: 7.2613.0.0 (C) (Recommended)

Enhancements

Support Microsoft Windows Server 2025

NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit

Version: 1.1.0.0 (G) (Optional)

Enhancements

- Updated supported environments
- Updated supported environments

Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the

'drive' and 'drivetype' parameters coexisted.

- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
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- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Prerequisites

To invoke, enter the following at the command prompt:ssa -local The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

Fixes

- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the

'drive' and 'drivetype' parameters coexisted.

- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Important Note!

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.