

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 6.91 5

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す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6月	初版
2024年11月	誤記訂正

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 9.2
- 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 9.2

- Red Hat® Enterprise Linux® Server 8.8

(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」() または「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」() 「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。

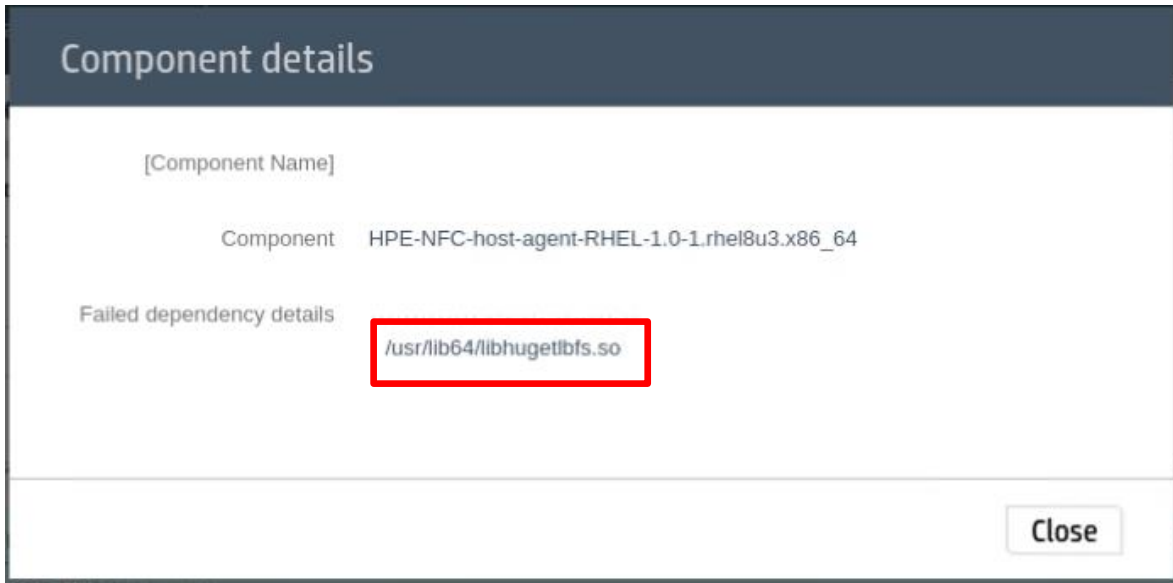
なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【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 type="radio"/>	Software	Recommended	1.0-1.rhel8u3	No
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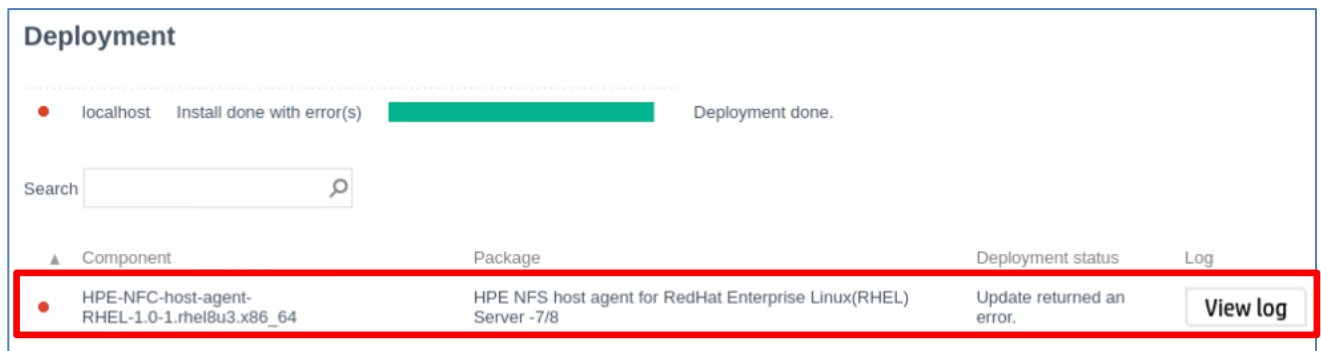
上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、“Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



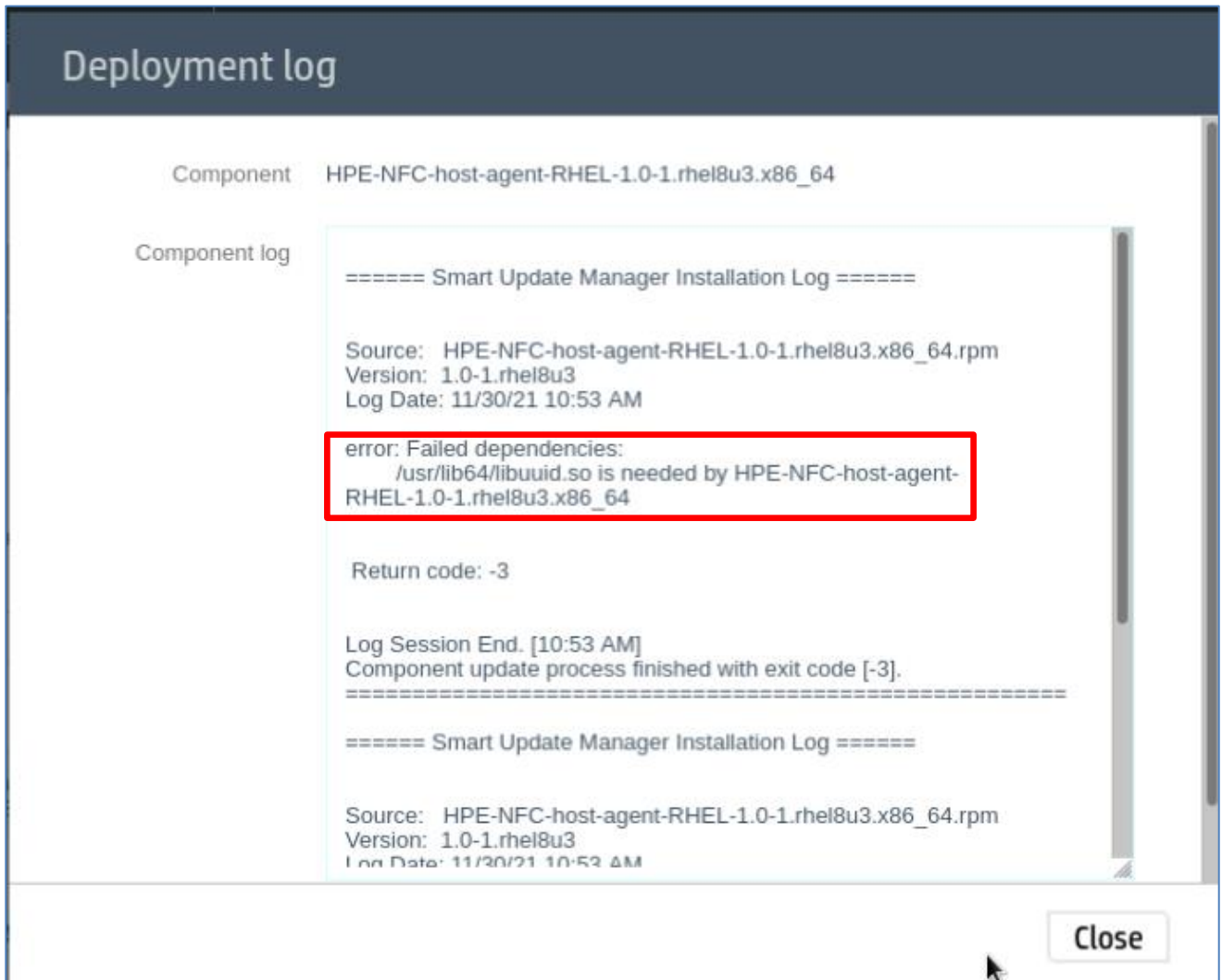
上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

【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 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、『6.2.10 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『6.2.8 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。

【注意】

以下記載のアダプタを搭載した装置において本 SPH を適用した場合、インベントリ結果として、VMware 用コンポーネントとともに下記 Windows コンポーネントが誤ってリストされます。

コンポーネント名： HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only
コンポーネントファイル名： cp059041.exe

適用対象として自動選択されている場合は、選択を解除して展開を実施してください。

なお、Windows コンポーネントを選択したまま展開した場合でも、展開エラーにはならず、不正にコンポーネントが適用されることもありません。

【アダプタ】(旧品名)

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

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	cp060118.zip	sutComponent_701.5.0.0.16-*.zip
2	VMware ESXi™ 8.0	cp060119.zip	sutComponent_800.5.0.0.11-*.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=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)

①iSUT 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。

②iLO 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	igb	igbn

TQ-N□□-652497-B21	366FLR ネットワークアダプタ) 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か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、アドバイザリ：「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	HPE Ethernet 10Gb 2-port 562FLR-T Adapte

TQ-N□□-817738-B21	562FLR-T ネットワークアダプタ) 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「6.2.6 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「6.2.16 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

- (2) 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。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 Dev
HGST 400GB 12G SAS SSD	C.172	
HITACHI Profile	2021.4	
HPE MR416i-p Gen10+	52.22	
HPE Smart Storage Energy Pack 1 Firmware	0.70	
iLO 5	2.96 A	
Innovation Engine (IE) Firmware	1.0.0.2	
Intel Eth Adptr I350T4 OCPv3	1.335	

- (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	Update
1	Integrated Smart Update Tools 5.0.0 for ESXi 7.0	cp060118.zip	-	2024.03.00	701.5.0.0.16-0	更新
2	Integrated Smart Update Tools 5.0.0 for ESXi 8.0	cp060119.zip	-	2024.03.00	800.5.0.0.11-0	更新
3	Integrated Smart Update Tools for Linux x64	sut-5.0.0-13.linux.x86_64.rpm	-	5.0.0.0	5.0.0-13.linux	更新
4	Integrated Smart Update Tools for Windows x64	cp060120.exe	-	5.0.0.0	5.0.0.0	更新

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
5	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-3.10_2024_02_22-1.1.x86_64.rpm	System BIOS - U30	3.10_02-22-2024	v3.10 (02/22/2024)	更新
6	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-3.10_2024_02_22-1.1.x86_64.rpm	System BIOS - U32	3.10_02-22-2024	v3.10 (02/22/2024)	更新
7	Online ROM Flash Component for Linux - System ROM U34	firmware-system-oem-u34-3.10_2024_02_22-1.1.x86_64.rpm	System BIOS - U34	3.10_02-22-2024	v3.10 (02/22/2024)	更新
8	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-3.10_2024_02_22-1.1.x86_64.rpm	System BIOS - U41	3.10_02-22-2024	v3.10 (02/22/2024)	更新
9	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-3.00_2024_02_01-1.1.x86_64.rpm	System BIOS - U43	3.00_02-01-2024	v3.00 (02/01/2024)	更新
10	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-3.00_2024_02_01-1.1.x86_64.rpm	System BIOS - U44	3.00_02-01-2024	v3.00 (02/01/2024)	更新
11	Online ROM Flash Component for Linux - System ROM U46	firmware-system-oem-u46-2.00_2024_03_06-1.1.x86_64.rpm	System BIOS - U46	2.00_03-06-2024	v2.00 (03/06/2024)	更新
12	Online ROM Flash Component for Linux - System ROM U60	firmware-system-oem-u60-2.00_2024_02_01-1.1.x86_64.rpm	System BIOS - U60	2.00_02-01-2024	v2.00 (02/01/2024)	更新
13	Online ROM Flash Component for Linux - System ROM U61	firmware-system-oem-u61-2.00_2024_02_01-1.1.x86_64.rpm	System BIOS - U61	2.00_02-01-2024	v2.00 (02/01/2024)	更新
14	Online ROM Flash Component for Windows x64 - System ROM U30	cp059380.exe	System BIOS - U30	3.10_02-22-2024	v3.10 (02/22/2024)	更新
15	Online ROM Flash Component for Windows x64 - System ROM U32	cp059377.exe	System BIOS - U32	3.10_02-22-2024	v3.10 (02/22/2024)	更新
16	Online ROM Flash Component for Windows x64 - System ROM U34	cp059404.exe	System BIOS - U34	3.10_02-22-2024	v3.10 (02/22/2024)	更新
17	Online ROM Flash Component for Windows x64 - System ROM U41	cp059386.exe	System BIOS - U41	3.10_02-22-2024	v3.10 (02/22/2024)	更新
18	Online ROM Flash Component for Windows x64 - System ROM U43	cp059865.exe	System BIOS - U43	3.00_02-01-2024	v3.00 (02/01/2024)	更新
19	Online ROM Flash Component for Windows x64 - System ROM U44	cp059868.exe	System BIOS - U44	3.00_02-01-2024	v3.00 (02/01/2024)	更新
20	Online ROM Flash Component for Windows x64 - System ROM U46	cp059627.exe	System BIOS - U46	2.00_03-06-2024	v2.00 (03/06/2024)	更新
21	Online ROM Flash	cp059529.exe	System BIOS - U60	2.00_02-01-	v2.00	更新

	Component for Windows x64 - System ROM U60			2024	(02/01/2024)	
22	Online ROM Flash Component for Windows x64 - System ROM U61	cp059532.exe	System BIOS - U61	2.00_02-01- 2024	v2.00 (02/01/2024)	更新
23	ROM Flash Firmware Package - System ROM U30	OEM.U30_3.10_02_22_ 2024.fwpkg	System BIOS - U30	3.10_02-22- 2024	v3.10 (02/22/2024)	更新
24	ROM Flash Firmware Package - System ROM U32	OEM.U32_3.10_02_22_ 2024.fwpkg	System BIOS - U32	3.10_02-22- 2024	v3.10 (02/22/2024)	更新
25	ROM Flash Firmware Package - System ROM U34	OEM.U34_3.10_02_22_ 2024.fwpkg	System BIOS - U34	3.10_02-22- 2024	v3.10 (02/22/2024)	更新
26	ROM Flash Firmware Package - System ROM U41	OEM.U41_3.10_02_22_ 2024.fwpkg	System BIOS - U41	3.10_02-22- 2024	v3.10 (02/22/2024)	更新
27	ROM Flash Firmware Package - System ROM U43	OEM.U43_3.00_02_01_ 2024.fwpkg	System BIOS - U43	3.00_02-01- 2024	v3.00 (02/01/2024)	更新
28	ROM Flash Firmware Package - System ROM U44	OEM.U44_3.00_02_01_ 2024.fwpkg	System BIOS - U44	3.00_02-01- 2024	v3.00 (02/01/2024)	更新
29	ROM Flash Firmware Package - System ROM U46	OEM.U46_2.00_03_06_ 2024.fwpkg	System BIOS - U46	2.00_03-06- 2024	v2.00 (03/06/2024)	更新
30	ROM Flash Firmware Package - System ROM U60	OEM.U60_2.00_02_01_ 2024.fwpkg	System BIOS - U60	2.00_02-01- 2024	v2.00 (02/01/2024)	更新
31	ROM Flash Firmware Package - System ROM U61	OEM.U61_2.00_02_01_ 2024.fwpkg	System BIOS - U61	2.00_02-01- 2024	v2.00 (02/01/2024)	更新

6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
32	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp060562.exe	-	10.1.18807.8279 (C)	10.1.18807.8279 (C)	更新
33	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp060563.exe	-	10.1.18807.8279 (C)	10.1.18807.8279 (C)	更新
34	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows	cp060560.exe	-	10.1.19006.8299 (B)	10.1.19006.8299 (B)	更新
35	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp060561.exe	-	10.1.19006.8299 (B)	10.1.19006.8299 (B)	更新

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
36	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	228.0.121.0	228.0.121.0	更新
37	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	228.0.121.0	228.0.121.0	更新
38	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57416 10GbE 2p BASE-T Adptr	228.0.121.0	228.0.121.0	更新
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	228.0.121.0	228.0.121.0	更新
40	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57412 10GbE 2p SFP+ Adptr	228.0.121.0	228.0.121.0	更新
41	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	228.0.121.0	228.0.121.0	更新

42	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp059019.exe	Broadcom NetXtreme-E BCM5750x adapters	228.0.121.0	228.0.121.0	更新
43	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	228.0.121.0	228.0.121.0	更新
44	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	228.0.121.0	228.0.121.0	更新
45	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57416 10GbE 2p BASE-T Adptr	228.0.121.0	228.0.121.0	更新
46	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	228.0.121.0	228.0.121.0	更新
47	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57412 10GbE 2p SFP+ Adptr	228.0.121.0	228.0.121.0	更新
48	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	228.0.121.0	228.0.121.0	更新
49	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp059020.exe	Broadcom NetXtreme-E BCM5750x adapters	228.0.121.0	228.0.121.0	更新
50	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059038.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.5.0 (D)	221.0.5.0 (D)	更新
51	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059038.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.5.0 (D)	221.0.5.0 (D)	更新
52	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059038.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.5.0 (D)	221.0.5.0 (D)	更新
53	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	228.0.121.0	228.0.121.0	更新
54	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	228.0.121.0	228.0.121.0	更新
55	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10Gb 2-port 535T Adapter	228.0.121.0	228.0.121.0	更新
56	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	228.0.121.0	228.0.121.0	更新
57	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	228.0.121.0	228.0.121.0	更新
58	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp059015.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.121.0	228.0.121.0	更新
59	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	228.0.121.0	228.0.121.0	更新

60	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	228.0.121.0	228.0.121.0	更新
61	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10Gb 2-port 535T Adapter	228.0.121.0	228.0.121.0	更新
62	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	228.0.121.0	228.0.121.0	更新
63	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	228.0.121.0	228.0.121.0	更新
64	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp059016.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.121.0	228.0.121.0	更新
65	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
66	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
67	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
68	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
69	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
70	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
71	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
72	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
73	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
74	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
75	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
76	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
77	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-228.0.133.0.rhel8u8.x86_64.rpm	Broadcom NetXtreme-E BCM5750x adapters	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel8u8	更新
78	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
79	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port	1.10.2-228.0.133.0	1.10.2-228.0.133.0.r	更新

	Linux 9	6_64.rpm	631SFP28 Adapter		hel9u2	
80	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
81	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
82	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
83	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
84	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
85	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
86	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
87	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
88	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
89	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
90	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.2-228.0.133.0.rhel9u2.x86_64.rpm	Broadcom NetXtreme-E BCM5750x adapters	1.10.2-228.0.133.0	1.10.2-228.0.133.0.rhel9u2	更新
91	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
92	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
93	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
94	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
95	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
96	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
97	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
98	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.03.00	228.0.216.0-10EM.700.1.0.15843807	更新
99	HPE Broadcom NetXtreme-E Drivers for VMware vSphere	cp059017.zip	BCM 57416 10GbE 2p BASE-T	2024.03.00	228.0.216.0-10EM.700.1.0	更新

	7.0		Adptr		.15843807	
100	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.03.00	228.0.216.0- 10EM.700.1.0 .15843807	更新
101	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.03.00	228.0.216.0- 10EM.700.1.0 .15843807	更新
102	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.03.00	228.0.216.0- 10EM.700.1.0 .15843807	更新
103	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp059017.zip	Broadcom NetXtreme-E BCM5750x adapters	2024.03.00	228.0.216.0- 10EM.700.1.0 .15843807	更新
104	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
105	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
106	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
107	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
108	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
109	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
110	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
111	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
112	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57416 10GbE 2p BASE-T Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
113	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
114	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
115	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
116	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp059018.zip	Broadcom NetXtreme-E BCM5750x adapters	2024.03.00	228.0.216.0- 10EM.800.1.0 .20613240	更新
117	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0- rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	228.0.133.0	228.0.133.0	新規追加
118	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0- rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	228.0.133.0	228.0.133.0	新規追加
119	HPE Broadcom NetXtreme-E	libbnxt_re-228.0.133.0-	BCM 57414	228.0.133.0	228.0.133.0	新規追加

	RoCE Library for Red Hat Enterprise Linux 8 Update 8.	rhel8u8.x86_64.rpm	10/25GbE 2p SFP28 Adptr			
120	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	228.0.133.0	228.0.133.0	新規追加
121	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.133.0	228.0.133.0	新規追加
122	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	228.0.133.0	228.0.133.0	新規追加
123	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	228.0.133.0	228.0.133.0	新規追加
124	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	228.0.133.0	228.0.133.0	新規追加
125	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	228.0.133.0	228.0.133.0	新規追加
126	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	228.0.133.0	228.0.133.0	新規追加
127	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	228.0.133.0	228.0.133.0	新規追加
128	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	228.0.133.0	228.0.133.0	新規追加
129	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 8.	libbnxt_re-228.0.133.0-rhel8u8.x86_64.rpm	Broadcom NetXtreme-E BCM5750x adapters	228.0.133.0	228.0.133.0	新規追加
130	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	228.0.133.0	228.0.133.0	新規追加
131	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	228.0.133.0	228.0.133.0	新規追加
132	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	228.0.133.0	228.0.133.0	新規追加
133	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	228.0.133.0	228.0.133.0	新規追加
134	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.133.0	228.0.133.0	新規追加
135	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	228.0.133.0	228.0.133.0	新規追加
136	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	228.0.133.0	228.0.133.0	新規追加
137	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	228.0.133.0	228.0.133.0	新規追加
138	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	228.0.133.0	228.0.133.0	新規追加
139	HPE Broadcom NetXtreme-E RoCE Library for Red Hat	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57416 10GbE 2p BASE-T	228.0.133.0	228.0.133.0	新規追加

	Enterprise Linux 9 Update 2.		OCP3 Adptr			
140	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	228.0.133.0	228.0.133.0	新規追加
141	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	228.0.133.0	228.0.133.0	新規追加
142	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 2.	libbnxt_re-228.0.133.0-rhel9u2.x86_64.rpm	Broadcom NetXtreme-E BCM5750x adapters	228.0.133.0	228.0.133.0	新規追加
143	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059037.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	221.0.5.0 (D)	221.0.5.0 (D)	更新
144	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059037.exe	HP Ethernet 1Gb 2-port 332T Adapter	221.0.5.0 (D)	221.0.5.0 (D)	更新
145	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059037.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	221.0.5.0 (D)	221.0.5.0 (D)	更新
146	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059037.exe	HP Ethernet 1Gb 4-port 331T Adapter	221.0.5.0 (D)	221.0.5.0 (D)	更新
147	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp059037.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	221.0.5.0 (D)	221.0.5.0 (D)	更新
148	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139k-1	3.139k-1.rhel8u8	更新
149	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139k-1	3.139k-1.rhel8u8	更新
150	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139k-1	3.139k-1.rhel8u8	更新
151	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139k-1	3.139k-1.rhel8u8	更新
152	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139k-1	3.139k-1.rhel8u8	更新
153	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139k-1	3.139k-1.rhel8u8	更新
154	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139k-1	3.139k-1.rhel8u8	更新
155	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139k-1.rhel8u8.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139k-1	3.139k-1.rhel8u8	更新
156	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139k-1	3.139k-1.rhel9u2	更新
157	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139k-1	3.139k-1.rhel9u2	更新

158	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139k-1	3.139k-1.rhel9u2	更新
159	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139k-1	3.139k-1.rhel9u2	更新
160	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139k-1	3.139k-1.rhel9u2	更新
161	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139k-1	3.139k-1.rhel9u2	更新
162	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139k-1	3.139k-1.rhel9u2	更新
163	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139k-1.rhel9u2.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139k-1	3.139k-1.rhel9u2	更新
164	HPE Intel E1R Driver for Windows Server 2019	cp056772.exe	HPE Ethernet 1Gb 2-port 361i Adapter	12.18.16.0	12.18.16.0	更新
165	HPE Intel E1R Driver for Windows Server 2019	cp056772.exe	HPE Ethernet 1Gb 2-port 361T Adapter	12.18.16.0	12.18.16.0	更新
166	HPE Intel E1R Driver for Windows Server 2019	cp056772.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	12.18.16.0	12.18.16.0	更新
167	HPE Intel E1R Driver for Windows Server 2019	cp056772.exe	HPE Ethernet 1Gb 4-port 366T Adapter	12.18.16.0	12.18.16.0	更新
168	HPE Intel E1R Driver for Windows Server 2022	cp056773.exe	HPE Ethernet 1Gb 2-port 361i Adapter	13.0.16.0	13.0.16.0	更新
169	HPE Intel E1R Driver for Windows Server 2022	cp056773.exe	HPE Ethernet 1Gb 2-port 361T Adapter	13.0.16.0	13.0.16.0	更新
170	HPE Intel E1R Driver for Windows Server 2022	cp056773.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	13.0.16.0	13.0.16.0	更新
171	HPE Intel E1R Driver for Windows Server 2022	cp056773.exe	HPE Ethernet 1Gb 4-port 366T Adapter	13.0.16.0	13.0.16.0	更新
172	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.23.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.23.17-1 (C)	2.23.17-1.rhel8u8	更新
173	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.23.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.23.17-1 (C)	2.23.17-1.rhel8u8	更新
174	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.23.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.23.17-1 (C)	2.23.17-1.rhel8u8	更新
175	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.23.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.23.17-1 (C)	2.23.17-1.rhel8u8	更新
176	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.23.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.23.17-1 (C)	2.23.17-1.rhel8u8	更新
177	HPE Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.23.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.23.17-1 (C)	2.23.17-1.rhel9u2	更新
178	HPE Intel i40e Drivers for Red	kmod-hp-i40e-2.23.17-	HPE Ethernet	2.23.17-1	2.23.17-	更新

	Hat Enterprise Linux 9	1.rhel9u2.x86_64.rpm	10Gb 2-port 562FLR-SFP+ Adapter	(C)	1.rhel9u2	
179	HPE Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.23.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.23.17-1 (C)	2.23.17-1.rhel9u2	更新
180	HPE Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.23.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.23.17-1 (C)	2.23.17-1.rhel9u2	更新
181	HPE Intel i40e Drivers for Red Hat Enterprise Linux 9	kmod-hp-i40e-2.23.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.23.17-1 (C)	2.23.17-1.rhel9u2	更新
182	HPE Intel i40ea Driver for Windows Server 2019	cp058380.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.18.367.0	1.18.367.0	更新
183	HPE Intel i40ea Driver for Windows Server 2019	cp058380.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.18.367.0	1.18.367.0	更新
184	HPE Intel i40ea Driver for Windows Server 2022	cp058381.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.18.367.0	1.18.367.0	更新
185	HPE Intel i40ea Driver for Windows Server 2022	cp058381.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.18.367.0	1.18.367.0	更新
186	HPE Intel i40eb Driver for Windows Server 2019	cp058382.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.18.367.0	1.18.367.0	更新
187	HPE Intel i40eb Driver for Windows Server 2022	cp058383.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.18.367.0	1.18.367.0	更新
188	HPE Intel i40en Driver for VMware vSphere 7.0	cp058384.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2023.10.00	2.5.2.0-10EM.700.1.0.15843807	更新
189	HPE Intel i40en Driver for VMware vSphere 7.0	cp058384.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2023.10.00	2.5.2.0-10EM.700.1.0.15843807	更新
190	HPE Intel i40en Driver for VMware vSphere 7.0	cp058384.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2023.10.00	2.5.2.0-10EM.700.1.0.15843807	更新
191	HPE Intel i40en Driver for VMware vSphere 7.0	cp058384.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2023.10.00	2.5.2.0-10EM.700.1.0.15843807	更新
192	HPE Intel i40en Driver for VMware vSphere 7.0	cp058384.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2023.10.00	2.5.2.0-10EM.700.1.0.15843807	更新
193	HPE Intel i40en Driver for VMware vSphere 8.0	cp058385.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2023.10.00	2.6.1.0-10EM.800.1.0.20613240	更新
194	HPE Intel i40en Driver for VMware vSphere 8.0	cp058385.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2023.10.00	2.6.1.0-10EM.800.1.0.20613240	更新
195	HPE Intel i40en Driver for VMware vSphere 8.0	cp058385.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2023.10.00	2.6.1.0-10EM.800.1.0.20613240	更新
196	HPE Intel i40en Driver for VMware vSphere 8.0	cp058385.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2023.10.00	2.6.1.0-10EM.800.1.0.20613240	更新

197	HPE Intel i40en Driver for VMware vSphere 8.0	cp058385.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2023.10.00	2.6.1.0-1OEM.800.1.0.20613240	更新
198	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.9.1-1.rhel8u8.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel8u8	更新
199	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.9.1-1.rhel8u8.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel8u8	更新
200	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.9.1-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA2 adapter	4.9.1-1 (C)	4.9.1-1.rhel8u8	更新
201	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.9.1-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.9.1-1 (C)	4.9.1-1.rhel8u8	更新
202	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.9.1-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel8u8	更新
203	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.9.1-1.rhel9u2.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel9u2	更新
204	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.9.1-1.rhel9u2.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel9u2	更新
205	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.9.1-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA2 adapter	4.9.1-1 (C)	4.9.1-1.rhel9u2	更新
206	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.9.1-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.9.1-1 (C)	4.9.1-1.rhel9u2	更新
207	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.9.1-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.9.1-1 (C)	4.9.1-1.rhel9u2	更新
208	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
209	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
210	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
211	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
212	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
213	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.14.16-1.rhel8u8.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.14.16-1 (C)	6.14.16-1.rhel8u8	更新
214	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.14.16-1.rhel9u2.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	5.14.16-1 (C)	5.14.16-1.rhel9u2	更新
215	HPE Intel igb Drivers for Red	kmod-hp-igb-5.14.16-	HPE Ethernet 1Gb	5.14.16-1	5.14.16-	更新

	Hat Enterprise Linux 9	1.rhel9u2.x86_64.rpm	2-port 361T Adapter	(C)	1.rhel9u2	
216	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.14.16-1.rhel9u2.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.14.16-1 (C)	5.14.16-1.rhel9u2	更新
217	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.14.16-1.rhel9u2.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	5.14.16-1 (C)	5.14.16-1.rhel9u2	更新
218	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.14.16-1.rhel9u2.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.14.16-1 (C)	5.14.16-1.rhel9u2	更新
219	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.14.16-1.rhel9u2.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.14.16-1 (C)	5.14.16-1.rhel9u2	更新
220	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
221	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
222	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
223	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
224	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
225	HPE Intel igbn Driver for VMware vSphere 7.0	cp056780.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	
226	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
227	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
228	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
229	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
230	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
231	HPE Intel igbn Driver for VMware vSphere 8.0	cp056804.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2023.09.00	1.11.2.0-1OEM.800.1.0.20613240	
232	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.19.6-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.19.6-1 (C)	5.19.6-1.rhel8u8	更新
233	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.19.6-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.19.6-1 (C)	5.19.6-1.rhel8u8	更新
234	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbe-5.19.6-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.19.6-1 (C)	5.19.6-1.rhel9u2	更新
235	HPE Intel ixgbe Drivers for	kmod-hp-ixgbe-5.19.6-	HPE Ethernet	5.19.6-1 (C)	5.19.6-	更新

	Red Hat Enterprise Linux 9	1.rhel9u2.x86_64.rpm	10Gb 2-port 562T Adapter		1.rhel9u2	
236	HPE Intel ixgben Driver for VMware vSphere 7.0	cp056787.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2023.10.00	1.15.1.0-1OEM.700.1.0.15843807	更新
237	HPE Intel ixgben Driver for VMware vSphere 7.0	cp056787.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2023.10.00	1.15.1.0-1OEM.700.1.0.15843807	更新
238	HPE Intel ixgben Driver for VMware vSphere 8.0	cp056805.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2023.09.00	1.15.1.0-1OEM.800.1.0.20613240	
239	HPE Intel ixgben Driver for VMware vSphere 8.0	cp056805.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2023.09.00	1.15.1.0-1OEM.800.1.0.20613240	
240	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.18.7-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.18.7-1 (C)	4.18.7-1.rhel8u8	更新
241	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.18.7-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.18.7-1 (C)	4.18.7-1.rhel8u8	更新
242	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbev-4.18.7-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.18.7-1 (C)	4.18.7-1.rhel9u2	更新
243	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 9	kmod-hp-ixgbev-4.18.7-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.18.7-1 (C)	4.18.7-1.rhel9u2	更新
244	HPE Intel ixS Driver for Windows Server 2019	cp058378.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.251.0	4.1.251.0	更新
245	HPE Intel ixS Driver for Windows Server 2019	cp058378.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.251.0	4.1.251.0	更新
246	HPE Intel ixS Driver for Windows Server 2022	cp058379.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.252.0	4.1.252.0	更新
247	HPE Intel ixS Driver for Windows Server 2022	cp058379.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.252.0	4.1.252.0	更新
248	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp059092.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10.26252.0	23.10.26252.0	更新
249	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp059092.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10.26252.0	23.10.26252.0	更新
250	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp059093.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10.26252.0	23.10.26252.0	更新
251	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp059093.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10.26252.0	23.10.26252.0	更新
252	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-1.rhel8u8	更新
253	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-1.rhel8u8	更新

254	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-1.rhel8u8	更新
255	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-1.rhel8u8	更新
256	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-1.rhel8u8	更新
257	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u8.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-1.rhel8u8	更新
258	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-3.rhel8u8	更新
259	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-3.rhel8u8	更新
260	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-3.rhel8u8	更新
261	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-3.rhel8u8	更新
262	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-3.rhel8u8	更新
263	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mft-4.26.1-3.rhel8u8.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-3.rhel8u8	更新
264	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-1.rhel9u2	更新

265	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-1.rhel9u2	更新
266	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-1.rhel9u2	更新
267	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-1.rhel9u2	更新
268	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-1.rhel9u2	更新
269	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel9u2.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-1.rhel9u2	更新
270	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-3.rhel9u2	更新
271	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-3.rhel9u2	更新
272	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-3.rhel9u2	更新
273	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-3.rhel9u2	更新
274	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-3.rhel9u2	更新
275	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mft-4.26.1-3.rhel9u2.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-3.rhel9u2	更新

276	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10-1.1.9.1	23.10	更新
277	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10-1.1.9.1	23.10	更新
278	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10-1.1.9.1	23.10	更新
279	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10-1.1.9.1	23.10	更新
280	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	23.10-1.1.9.1	23.10	更新
281	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10-1.1.9.1	23.10	更新
282	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10-1.1.9.1	23.10	更新
283	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10-1.1.9.1	23.10	更新
284	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	23.10-1.1.9.1	23.10	更新
285	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	23.10-1.1.9.1	23.10	更新
286	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	23.10-1.1.9.1	23.10	更新

287	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10-1.1.9.1	23.10	更新
288	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10-1.1.9.1	23.10	更新
289	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10-1.1.9.1	23.10	更新
290	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10-1.1.9.1	23.10	更新
291	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	23.10-1.1.9.1	23.10	更新
292	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10-1.1.9.1	23.10	更新
293	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10-1.1.9.1	23.10	更新
294	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10-1.1.9.1	23.10	更新
295	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	23.10-1.1.9.1	23.10	更新
296	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	23.10-1.1.9.1	23.10	更新
297	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 8 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel8u8.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	23.10-1.1.9.1	23.10	更新

298	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10-1.1.9.1	23.10	更新
299	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10-1.1.9.1	23.10	更新
300	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10-1.1.9.1	23.10	更新
301	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10-1.1.9.1	23.10	更新
302	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	23.10-1.1.9.1	23.10	更新
303	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10-1.1.9.1	23.10	更新
304	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10-1.1.9.1	23.10	更新
305	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10-1.1.9.1	23.10	更新
306	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	23.10-1.1.9.1	23.10	更新
307	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	23.10-1.1.9.1	23.10	更新
308	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	kmod-mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	23.10-1.1.9.1	23.10	更新

309	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10-1.1.9.1	23.10	更新
310	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10-1.1.9.1	23.10	更新
311	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10-1.1.9.1	23.10	更新
312	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10-1.1.9.1	23.10	更新
313	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	23.10-1.1.9.1	23.10	更新
314	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10-1.1.9.1	23.10	更新
315	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.10-1.1.9.1	23.10	更新
316	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.10-1.1.9.1	23.10	更新
317	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	23.10-1.1.9.1	23.10	更新
318	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	23.10-1.1.9.1	23.10	更新
319	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 9 Update 2 (x86_64)	mlnx-ofa_kernel-23.10-OFED.23.10.1.1.9.1.rhel9u2.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	23.10-1.1.9.1	23.10	更新

320	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.74.0.1-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.74.0.1-1	8.74.0.1-1.rhel8u8	更新
321	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 9	kmod-qlgc-fastlinq-8.74.0.1-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.74.0.1-1	8.74.0.1-1.rhel9u2	更新
322	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp058995.exe	HPE Ethernet 10Gb 2-port 521T Adapter	8.72.11.0	8.72.11.0	更新
323	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp058993.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.03.00	5.0.382.0-10EM.700.1.0.15843807	更新
324	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0	cp058994.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.03.00	6.0.382.0-10EM.800.1.0.20613240	更新
325	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp059002.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
326	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp059002.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
327	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp059002.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
328	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp058996.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
329	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp058996.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
330	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp058996.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.03.00	3.0.230.0-10EM.700.1.0.15843807	更新
331	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.17-7	7.15.17-1.rhel8u8	更新
332	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.17-1.rhel8u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.15.17-7	7.15.17-1.rhel8u8	更新
333	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.17-1.rhel8u8.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.17-7	7.15.17-1.rhel8u8	更新
334	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.17-7	7.15.17-1.rhel9u2	更新
335	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.17-1.rhel9u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.15.17-7	7.15.17-1.rhel9u2	更新
336	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9	kmod-netxtreme2-7.15.17-1.rhel9u2.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.17-7	7.15.17-1.rhel9u2	更新
337	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 (C)	更新
338	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 (C)	更新
339	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 (C)	更新
340	Intel i350 Driver for Windows Server 2019	cp056785.exe	Intel i350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	12.18.16.0	12.18.16.0	更新

341	Intel i350 Driver for Windows Server 2019	cp056785.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	12.18.16.0	12.18.16.0	更新
342	Intel i350 Driver for Windows Server 2022	cp056786.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	13.0.16.0	13.0.16.0	更新
343	Intel i350 Driver for Windows Server 2022	cp056786.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	13.0.16.0	13.0.16.0	更新
344	Intel i40ea Driver for Windows Server 2019	cp058392.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.18.367.0	1.18.367.0	更新
345	Intel i40ea Driver for Windows Server 2019	cp058392.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.18.367.0	1.18.367.0	更新
346	Intel i40ea Driver for Windows Server 2022	cp058393.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.18.367.0	1.18.367.0	更新
347	Intel i40ea Driver for Windows Server 2022	cp058393.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.18.367.0	1.18.367.0	更新
348	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.12.6-1.rhel8u8.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.12.6-1 (C)	1.12.6-1.rhel8u8	更新
349	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.12.6-1.rhel8u8.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.12.6-1 (C)	1.12.6-1.rhel8u8	更新
350	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.12.6-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA2 adapter	1.12.6-1 (C)	1.12.6-1.rhel8u8	更新
351	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.12.6-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.12.6-1 (C)	1.12.6-1.rhel8u8	更新
352	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.12.6-1.rhel8u8.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.12.6-1 (C)	1.12.6-1.rhel8u8	更新
353	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.12.6-1.rhel9u2.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.12.6-1 (B)	1.12.6-1.rhel9u2	更新
354	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.12.6-1.rhel9u2.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.12.6-1 (B)	1.12.6-1.rhel9u2	更新
355	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.12.6-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA2 adapter	1.12.6-1 (B)	1.12.6-1.rhel9u2	更新
356	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.12.6-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.12.6-1 (B)	1.12.6-1.rhel9u2	更新
357	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.12.6-1.rhel9u2.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.12.6-1 (B)	1.12.6-1.rhel9u2	更新

358	Intel ica Driver for Microsoft Windows Server 2022	cp058391.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.13.242.0	1.13.242.0	更新
359	Intel ica Driver for Microsoft Windows Server 2022	cp058391.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.13.242.0	1.13.242.0	更新
360	Intel ica Driver for Microsoft Windows Server 2022	cp058391.exe	Intel E810-XXVDA2 adapter	1.13.242.0	1.13.242.0	更新
361	Intel ica Driver for Microsoft Windows Server 2022	cp058391.exe	Intel E810-XXVDA2 OCP3 adapter	1.13.242.0	1.13.242.0	更新
362	Intel ica Driver for Microsoft Windows Server 2022	cp058391.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.13.242.0	1.13.242.0	更新
363	Intel ica Driver for Windows Server 2019	cp058390.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.13.242.0	1.13.242.0	更新
364	Intel ica Driver for Windows Server 2019	cp058390.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.13.242.0	1.13.242.0	更新
365	Intel ica Driver for Windows Server 2019	cp058390.exe	Intel E810-XXVDA2 adapter	1.13.242.0	1.13.242.0	更新
366	Intel ica Driver for Windows Server 2019	cp058390.exe	Intel E810-XXVDA2 OCP3 adapter	1.13.242.0	1.13.242.0	更新
367	Intel ica Driver for Windows Server 2019	cp058390.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.13.242.0	1.13.242.0	更新
368	Intel icen Driver for VMware vSphere 7.0	cp058386.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2023.10.00	1.12.5.0-10EM.702.0.0.17630552	更新
369	Intel icen Driver for VMware vSphere 7.0	cp058386.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2023.10.00	1.12.5.0-10EM.702.0.0.17630552	更新
370	Intel icen Driver for VMware vSphere 7.0	cp058386.zip	Intel E810-XXVDA2 adapter	2023.10.00	1.12.5.0-10EM.702.0.0.17630552	更新
371	Intel icen Driver for VMware vSphere 7.0	cp058386.zip	Intel E810-XXVDA2 OCP3 adapter	2023.10.00	1.12.5.0-10EM.702.0.0.17630552	更新
372	Intel icen Driver for VMware vSphere 7.0	cp058386.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2023.10.00	1.12.5.0-10EM.702.0.0.17630552	更新
373	Intel icen Driver for VMware vSphere 8.0	cp058387.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2023.10.00	1.12.5.0-10EM.800.1.0.20613240	更新
374	Intel icen Driver for VMware vSphere 8.0	cp058387.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for	2023.10.00	1.12.5.0-10EM.800.1.0.20613240	更新

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375	Intel icen Driver for VMware vSphere 8.0	cp058387.zip	Intel E810-XXVDA2 adapter	2023.10.00	1.12.5.0-1OEM.800.1.0.20613240	更新
376	Intel icen Driver for VMware vSphere 8.0	cp058387.zip	Intel E810-XXVDA2 OCP3 adapter	2023.10.00	1.12.5.0-1OEM.800.1.0.20613240	更新
377	Intel icen Driver for VMware vSphere 8.0	cp058387.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2023.10.00	1.12.5.0-1OEM.800.1.0.20613240	更新
378	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
379	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
380	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
381	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
382	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
383	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
384	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
385	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
386	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
387	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	
388	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp056896.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	

	7.0 Update 3					
389	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp059090.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10.26252.0	23.10.26252.0	更新
390	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp059090.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10.26252.0	23.10.26252.0	更新
391	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp059090.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10.26252.0	23.10.26252.0	更新
392	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp059090.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10.26252.0	23.10.26252.0	更新
393	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp059090.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10.26252.0	23.10.26252.0	更新
394	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp059091.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.10.26252.0	23.10.26252.0	更新
395	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp059091.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.10.26252.0	23.10.26252.0	更新
396	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp059091.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.10.26252.0	23.10.26252.0	更新
397	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp059091.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.10.26252.0	23.10.26252.0	更新
398	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp059091.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.10.26252.0	23.10.26252.0	更新
399	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	更新
400	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	更新
401	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	更新
402	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	更新
403	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2023.09.20	4.25.0.703-10EM.703.0.0.18644231	更新
404	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	更新
405	net-mst kernel module driver	cp058585.zip	HPE Ethernet	2023.09.20	4.25.0.703-	更新

	component for VMware ESXi 7.0 Update 3		25Gb 2-port 640 FLR-SFP28 Adapter		1OEM.703.0.0.18644231	
406	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	4.25.0.703-1OEM.703.0.0.18644231	更新
407	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	4.25.0.703-1OEM.703.0.0.18644231	更新
408	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	4.25.0.703-1OEM.703.0.0.18644231	更新
409	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	4.25.0.703-1OEM.703.0.0.18644231	更新

6.2.5 Driver – Storage

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
410	HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2016 and Windows Server 2019	cp052315.exe	-	106.12.6.0 (D)	106.12.6.0 (D)	
411	HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2022	cp052316.exe	-	1010.14.0.0 (C)	1010.14.0.0 (C)	
412	HPE Smart Storage SR100i Gen10 Plus SW RAID Driver for Windows Server 2016 and Windows Server 2019	cp052318.exe	Smart Array S100i SR	106.124.100.1005	106.124.100.1005	
413	HPE Smart Storage SR100i Gen10 Plus SW RAID Driver for Windows Server 2022	cp052317.exe	Smart Array S100i SR	1010.124.100.1005	1010.124.100.1005	

6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
414	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-07.726.03.00_rhel8u8-1.x86_64.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel8u8-1	更新
415	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-07.726.03.00_rhel8u8-1.x86_64.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel8u8-1	更新
416	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	kmod-megaraid_sas-07.726.03.00_rhel8u8-1.x86_64.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel8u8-1	更新

	Enterprise Linux 8					
417	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-07.726.03.00_rhel8u8-1.x86_64.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel8u8-1	更新
418	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 9	kmod-megaraid_sas-07.726.03.00_rhel9u2-1.x86_64.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel9u2-1	更新
419	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 9	kmod-megaraid_sas-07.726.03.00_rhel9u2-1.x86_64.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel9u2-1	更新
420	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 9	kmod-megaraid_sas-07.726.03.00_rhel9u2-1.x86_64.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel9u2-1	更新
421	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 9	kmod-megaraid_sas-07.726.03.00_rhel9u2-1.x86_64.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	07.726.03.00	07.726.03.00_rhel9u2-1	更新
422	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	7.726.02.00-1OEM.700.1.0.15843807	更新
423	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	7.726.02.00-1OEM.700.1.0.15843807	更新
424	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	7.726.02.00-1OEM.700.1.0.15843807	更新
425	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	7.726.02.00-1OEM.700.1.0.15843807	更新
426	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-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.800.1.0.20613240	更新
427	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	更新

428	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	更新
429	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	更新
430	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	更新
431	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	更新
432	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	更新
433	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	更新
434	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	更新
435	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	更新
436	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	更新
437	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	更新
438	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.04.01	70.4600.0.115 - 1OEM.700.1.0.15843807	更新
439	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.04.01	70.4600.0.115 - 1OEM.700.1.0.15843807	更新
440	HPE ProLiant Gen10 Smart Array and Gen10 Plus and	cp058433.zip	HPE Smart Array P816i-a SR Gen10	2024.04.01	70.4600.0.115 -	更新

	Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).		Controller		1OEM.700.1.0 .15843807	
441	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.04.01	70.4600.0.115 - 1OEM.700.1.0 .15843807	更新
442	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.04.01	70.4600.0.115 - 1OEM.700.1.0 .15843807	更新
443	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.04.01	70.4600.0.115 - 1OEM.700.1.0 .15843807	更新
444	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.04.01	70.4600.0.115 - 1OEM.700.1.0 .15843807	更新
445	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp058433.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.04.01	70.4600.0.115 - 1OEM.700.1.0 .15843807	更新
446	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
447	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
448	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
449	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
450	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
451	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
452	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp058434.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0 .20613240	更新
453	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller	cp058434.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.04.01	80.4600.0.115 - 1OEM.800.1.0	更新

	Driver for VMware vSphere 8.0 (Driver Component).				.20613240	
454	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
455	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
456	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
457	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
458	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
459	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel8u8	更新
460	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.26-030	2.1.26-030.rhel8u8	更新
461	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.26-030.rhel8u8.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.26-030	2.1.26-030.rhel8u8	更新
462	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新
463	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新
464	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新
465	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新
466	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新

	Linux 9 (64-bit)					
467	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.26-030	2.1.26-030.rhel9u2	更新
468	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.26-030	2.1.26-030.rhel9u2	更新
469	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.26-030.rhel9u2.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.26-030	2.1.26-030.rhel9u2	更新
470	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array P408i-a SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
471	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array P408i-p SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
472	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array P816i-a SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
473	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
474	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array E208i-a SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
475	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	HPE Smart Array E208i-p SR Gen10 Controller	1010.84.0.1012	1010.84.0.1012	更新
476	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	Microchip SR932i-p Cntrl for HPE Gen10+	1010.84.0.1012	1010.84.0.1012	更新
477	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp058432.exe	Microchip SR416i-a Cntrl for HPE Gen10+	1010.84.0.1012	1010.84.0.1012	更新

6.2.7 Driver - Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
478	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
479	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
480	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
481	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
482	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
483	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp055592.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
484	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
485	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
486	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
487	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
488	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
489	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp055593.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	
490	HPE Storage Fibre Channel Adapter Kit for the x64	cp058500.exe	HPE SN1100Q 16Gb Dual Port	9.4.9.21	9.4.9.21	更新

	QLogic Storport Driver for Microsoft Windows Server 2019		Fibre Channel Host Bus Adapter			
491	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058500.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
492	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058500.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
493	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058500.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
494	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058500.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
495	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp058500.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
496	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
497	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
498	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
499	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
500	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
501	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp058501.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.9.21	9.4.9.21	更新
502	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新
503	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新

504	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新
505	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新
506	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新
507	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.2.589.21-1.rhel8u8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel8u8	更新
508	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
509	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
510	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
511	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
512	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
513	Red Hat Enterprise Linux 8 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel8u8.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel8u8	更新
514	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
515	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
516	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
517	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
518	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
519	Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.2.589.21-1.rhel9u2.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.589.21 (b)	14.2.589.21-1.rhel9u2	更新
520	Red Hat Enterprise Linux 9 update 2 Server Fibre	kmod-qlgc-qla2xxx-10.02.11.00_k1-	HPE SN1100Q 16Gb Dual Port	10.02.11.00 -k1 (b)	10.02.11.00_k1-1.rhel9u2	更新

	Channel Driver Kit for HPE QLogic Host Bus Adapters	1.rhel9u2.x86_64.rpm	Fibre Channel Host Bus Adapter			
521	Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel9u2.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.11.00-k1 (b)	10.02.11.00_k1-1.rhel9u2	更新
522	Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel9u2.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.11.00-k1 (b)	10.02.11.00_k1-1.rhel9u2	更新
523	Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel9u2.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.11.00-k1 (b)	10.02.11.00_k1-1.rhel9u2	更新
524	Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel9u2.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.11.00-k1 (b)	10.02.11.00_k1-1.rhel9u2	更新
525	Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.11.00_k1-1.rhel9u2.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.11.00-k1 (b)	10.02.11.00_k1-1.rhel9u2	更新

6.2.8 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
526	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019	cp060559.exe	-	4.7.1.0 (E)	4.7.1.0 (E)	更新
527	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp060556.exe	-	4.7.1.0 (E)	4.7.1.0 (E)	更新
528	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019	cp060558.exe	-	4.7.1.0 (E)	4.7.1.0 (E)	更新
529	iLO 5 Channel Interface Driver for Microsoft Windows Server 2022	cp060557.exe	-	4.7.1.0 (E)	4.7.1.0 (E)	更新
530	Switchtec PCIe Switch Management Driver for Microsoft Windows Server 2016 and Server 2019	cp060554.exe	-	1.0.0.0 (B)	1.0.0.0 (B)	新規追加
531	Switchtec PCIe Switch Management Driver for Microsoft Windows Server 2022	cp060555.exe	-	1.0.0.0 (B)	1.0.0.0 (B)	新規追加

6.2.9 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
532	Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit	cp060553.exe	-	9.15.1.248 (E)	9.15.1.248 (E)	更新

6.2.10 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
533	Language Pack - Japanese	cp060499.exe	Japanese Language Pack	3.02	3.02.03	更新
534	Language Pack - Japanese	firmware-ilo5-lpk-jari11-3.02-	Japanese Language Pack	3.02	3.02.03	更新

		1.1.x86_64.rpm				
535	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-3.03-1.1.x86_64.rpm	iLO 5	3.03	3.03	更新
536	Online ROM Flash Component for Windows x64 - iLO 5	cp060358.exe	iLO 5	3.03	3.03	更新
537	Online ROM Flash Firmware Package - iLO 5	ilo5_303.fwpkg	iLO 5	3.03	3.03	更新

6.2.11 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
538	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	228.1.111.0	228.1.111.0	更新
539	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	228.1.111.0	228.1.111.0	更新
540	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 Adptr	228.1.111.0	228.1.111.0	更新
541	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	228.1.111.0	228.1.111.0	更新
542	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	228.1.111.0	228.1.111.0	更新
543	Broadcom Firmware Package for BCM5741x adapters	bcm228.1.111.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	228.1.111.0	228.1.111.0	更新
544	Broadcom Firmware Package for BCM5750x adapters	bcm228.1.111.0_Thor.pup.fw pkg	Broadcom NetXtreme-E BCM5750x adapters	228.1.111.0	228.1.111.0	更新
545	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.36.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	2.36.0	20.28.41	更新
546	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.36.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	2.36.0	20.28.41	更新
547	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.36.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	2.36.0	20.28.41	更新
548	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP059043.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.37.0	20.28.41	更新
549	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP059043.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.37.0	20.28.41	更新
550	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP059043.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.37.0	20.28.41	更新

551	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059044.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.4.0.0	20.28.41	更新
552	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059044.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.4.0.0	20.28.41	更新
553	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059044.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.4.0.0	20.28.41	更新
554	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.1.111000	228.1.111000	更新
555	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535T Adapter	228.1.111000	228.1.111000	更新
556	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	228.1.111000	228.1.111000	更新
557	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	228.1.111000	228.1.111000	更新
558	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	228.1.111000	228.1.111000	更新
559	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm228.1.111000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	228.1.111000	228.1.111000	更新
560	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.19.0	228.1.111000	更新
561	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.19.0	228.1.111000	更新
562	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.19.0	228.1.111000	更新
563	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.19.0	228.1.111000	更新
564	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.19.0	228.1.111000	更新
565	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-nxe-1.19.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.19.0	228.1.111000	更新
566	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP059025.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	5.21.0	228.1.111000	更新
567	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP059025.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	5.21.0	228.1.111000	更新
568	HPE Broadcom NetXtreme-E	CP059025.zip	HPE Ethernet	5.21.0	228.1.111000	更新

	Online Firmware Upgrade Utility for VMware		10Gb 2-port 535T Adapter			
569	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP059025.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	5.21.0	228.1.111000	更新
570	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP059025.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	5.21.0	228.1.111000	更新
571	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware	CP059025.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	5.21.0	228.1.111000	更新
572	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	5.4.0.0	228.1.111000	更新
573	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	5.4.0.0	228.1.111000	更新
574	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10Gb 2-port 535T Adapter	5.4.0.0	228.1.111000	更新
575	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	5.4.0.0	228.1.111000	更新
576	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	5.4.0.0	228.1.111000	更新
577	HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059026.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	5.4.0.0	228.1.111000	更新
578	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.36.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	2.36.0	20.28.41	更新
579	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.36.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.36.0	20.28.41	更新
580	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.36.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.36.0	20.28.41	更新
581	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.36.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.36.0	20.28.41	更新
582	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.36.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.36.0	20.28.41	更新
583	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP059040.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.37.0	20.28.41	更新
584	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP059040.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.37.0	20.28.41	更新
585	HPE Broadcom NX1 Online Firmware Upgrade Utility	CP059040.zip	HP Ethernet 1Gb 4-port 331FLR	1.37.0	20.28.41	更新

	VMware for HPE ProLiant Gen10 server series Only.		Adapter			
586	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP059040.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.37.0	20.28.41	更新
587	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP059040.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.37.0	20.28.41	更新
588	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp059041.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	5.4.0.0	20.28.41	更新
589	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp059041.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.4.0.0	20.28.41	更新
590	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp059041.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.4.0.0	20.28.41	更新
591	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp059041.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.4.0.0	20.28.41	更新
592	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp059041.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.4.0.0	20.28.41	更新
593	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.3.6.0	1.3437.0	更新
594	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 1Gb 2-port 361T Adapter	5.3.6.0	1.3437.0	更新
595	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.3.6.0	1.3437.0	更新
596	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 1Gb 4-port 366T Adapter	5.3.6.0	1.3437.0	更新
597	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.3.6.0	11.1.5	更新
598	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.6.0	10.55.3	
599	HPE Intel Online Firmware	cp058406.exe	HPE Ethernet	5.3.6.0	11.1.5	更新

	Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.		10Gb 2-port 562SFP+ Adapter			
600	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp058406.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.6.0	10.55.3	
601	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.29.0 (B)	1.3437.0	更新
602	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	1.29.0 (B)	1.3437.0	更新
603	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	1.29.0 (B)	1.3437.0	更新
604	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	1.29.0 (B)	1.3437.0	更新
605	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.29.0 (B)	11.1.5	更新
606	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.29.0 (B)	10.55.3	
607	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.29.0 (B)	11.1.5	更新
608	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.29.0 (B)	10.55.3	
609	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.22.0	1.3437.0	更新
610	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 1Gb 2-port 361T Adapter	3.22.0	1.3437.0	更新
611	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	3.22.0	1.3437.0	更新
612	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 1Gb 4-port 366T Adapter	3.22.0	1.3437.0	更新
613	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.22.0	11.1.5	更新
614	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.22.0	10.55.3	
615	HPE Intel Online Firmware	CP058405.zip	HPE Ethernet	3.22.0	11.1.5	更新

	Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.		10Gb 2-port 562SFP+ Adapter			
616	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP058405.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.22.0	10.55.3	
617	HPE QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.65.09_pldm.fwpkg	HPE Ethernet 10Gb 2-port 521T Adapter	8.65.09 (B)	8.65.09	更新
618	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-flq-1.23.50-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	1.23.50 (B)	8.65.09	更新
619	HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware	CP058191.zip	HPE Ethernet 10Gb 2-port 521T Adapter	4.18.50	8.65.09	更新
620	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058192.exe	HPE Ethernet 10Gb 2-port 521T Adapter	5.3.5.50	8.65.09	更新
621	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.34.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2.34.0	7.19.21	更新
622	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.34.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	2.34.0	7.19.21	更新
623	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.34.0-1.1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.34.0	7.19.21	更新
624	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP059079.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	1.34.0	7.19.21	更新
625	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP059079.zip	HPE Ethernet 10Gb 2-port 530T Adapter	1.34.0	7.19.21	更新
626	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP059079.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.34.0	7.19.21	更新
627	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059078.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	5.3.6.0	7.19.21	更新
628	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059078.exe	HPE Ethernet 10Gb 2-port 530T Adapter	5.3.6.0	7.19.21	更新
629	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp059078.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.3.6.0	7.19.21	更新
630	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p30_PLDMoMCTP_8001AF29.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.30	4.30	更新
631	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p30_NCSiwPLDMoMCTP_8001AF24.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.30	4.30	更新
632	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p30_PLDMoMCTP_8001AF27.fwpkg	Intel E810-XXVDA2 adapter	4.30	4.30	更新
633	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p30_NCSiwPLDMoMCTP_8001AF23.fw pkg	Intel E810-XXVDA2 OCP3 adapter	4.30	4.30	更新
634	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28	HPE_E810_XXVDA4_FH_4p30_PLDMoMCTP_8001AF35.fw pkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port	4.30	4.30	更新

	Adapter		SFP28 Adapter for HPE			
635	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.29.0 (B)	1.3429.0	更新
636	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.29.0-2.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.29.0 (B)	1.3429.0	更新
637	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.29.0-2.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.29.0 (B)	1.3429.0	更新
638	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.29.0-2.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.29.0 (B)	1.3429.0	更新
639	Intel Online Firmware Upgrade Utility for VMware	CP058408.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.22.0	1.3429.0	更新
640	Intel Online Firmware Upgrade Utility for VMware	CP058408.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.22.0	1.3429.0	更新
641	Intel Online Firmware Upgrade Utility for VMware	CP058408.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.22.0	1.3429.0	更新
642	Intel Online Firmware Upgrade Utility for VMware	CP058408.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	3.22.0	1.3429.0	更新
643	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058409.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.3.6.0	1.3429.0	更新
644	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058409.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.3.6.0	1.3429.0	更新
645	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058409.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.3.6.0	1.3429.0	更新
646	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp058409.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.3.6.0	1.3429.0	更新
647	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_39_1002-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.39.1002	26.39.1002	更新
648	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_39_1002-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.39.1002	26.39.1002	更新
649	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_3006-MCX515A-CCA_HPE_Ax.pldm.fw pkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.3006 (A)	16.35.3006	

650	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_40_1000-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.40.1000	20.40.1000	更新
651	Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	16_35_3006-MCX562A-ACA_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	16.35.3006 (A)	16.35.3006	
652	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_39_1002-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.39.1002	22.39.1002	更新
653	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	16_35_3006-MCX512F-ACH_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16.35.3006 (A)	16.35.3006	
654	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP057774.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.7	14.32.1010	
655	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP057774.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.7	14.32.1010	
656	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0	CP056823.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.6	16.35.3006	
657	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0	CP060192.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.7	20.40.1000	更新
658	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters	CP057775.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.3	14.32.1010	
659	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters	CP057775.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.3	14.32.1010	
660	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0	CP056758.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.2	16.35.3006	
661	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0	CP060193.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.3	20.40.1000	更新
662	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.20-2.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.20 (A)	14.32.1010	
663	Online Firmware Upgrade Utility (Linux x86_64) for HPE	firmware-nic-mellanox-ethernet-only-1.0.20-	HPE Ethernet 25Gb 2-port	1.0.20 (A)	14.32.1010	

	Mellanox Ethernet only adapters	2.1.x86_64.rpm	640SFP28 Adapter			
664	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-connectx4-1.0.15-2.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.15 (A)	16.35.3006	
665	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-1.0.12-1.1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.12	20.40.1000	更新
666	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp057772.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.20	14.32.1010	
667	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp057772.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.20	14.32.1010	
668	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp057936.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.14	16.35.3006	
669	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform	cp060194.exe	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0.9	20.40.1000	更新

6.2.12 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
670	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-2.1.x86_64.rpm	EO000400KYDKV	HPK4 (B)	HPK4	
671	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-2.1.x86_64.rpm	EO000800KYDLA	HPK4 (B)	HPK4	
672	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-8.1.x86_64.rpm	ET000750KWJTF	4ICSHPK4 (H)	4ICSHPK4	
673	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-8.1.x86_64.rpm	EO000375KWJUC	4ICSHPK4 (H)	4ICSHPK4	
674	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-8.1.x86_64.rpm	EO000750KWTXC	4ICSHPK4 (H)	4ICSHPK4	
675	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60,	firmware-hdd-6fc985bd3b-GPK7-2.1.x86_64.rpm	KCD6XVUL1T60	GPK7 (B)	GPK7	更新

	KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
676	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XVUL3T20	GPK7 (B)	GPK7	更新
677	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XVUL6T40	GPK7 (B)	GPK7	更新
678	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XVUL800G	GPK7 (B)	GPK7	更新
679	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XLUL1T92	GPK7 (B)	GPK7	更新
680	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84,	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XLUL3T84	GPK7 (B)	GPK7	更新

	KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
681	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XLUL7T68	GPK7 (B)	GPK7	更新
682	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XLUL960G	GPK7 (B)	GPK7	更新
683	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XVUL12T8	GPK7 (B)	GPK7	更新
684	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK7- 2.1.x86_64.rpm	KCD6XLUL15T3	GPK7 (B)	GPK7	更新
685	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd- 1a541ed00d-GPK5- 2.1.x86_64.rpm	KCM6FRUL1T92	GPK5 (B)	GPK5	更新
686	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd- 1a541ed00d-GPK5- 2.1.x86_64.rpm	KCM6FRUL3T84	GPK5 (B)	GPK5	更新
687	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84,	firmware-hdd- 1a541ed00d-GPK5- 2.1.x86_64.rpm	KCM6FVUL1T60	GPK5 (B)	GPK5	更新

	KCM6FVUL1T60 and KCM6FVUL3T20 Drives					
688	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-2.1.x86_64.rpm	KCM6FVUL3T20	GPK5 (B)	GPK5	更新
689	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XVUL800G	GPK7 (B)	GPK7	更新
690	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XVUL1T60	GPK7 (B)	GPK7	更新
691	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XVUL3T20	GPK7 (B)	GPK7	更新
692	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XVUL6T40	GPK7 (B)	GPK7	更新
693	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XRUL960G	GPK7 (B)	GPK7	更新
694	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92,	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XRUL1T92	GPK7 (B)	GPK7	更新

	KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
695	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XRUL3T84	GPK7 (B)	GPK7	更新
696	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-2.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (B)	GPK7	更新
697	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	VK001920KWDUH	HPK4 (J)	HPK4	
698	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	MK001600KWDUN	HPK4 (J)	HPK4	
699	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	VK000960KWDUF	HPK4 (J)	HPK4	
700	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	MK000800KWDUL	HPK4 (J)	HPK4	
701	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	VK000480KWDUE	HPK4 (J)	HPK4	
702	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE,	firmware-hdd-b45e49679c-HPK4-10.1.x86_64.rpm	MK000400KWDUK	HPK4 (J)	HPK4	

	MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives					
703	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	MK000800KWWF E	HPK3 (K)	HPK3	
704	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	MK001600KWWF F	HPK3 (K)	HPK3	
705	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	MK003200KWWF H	HPK3 (K)	HPK3	
706	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	MK006400KWWF K	HPK3 (K)	HPK3	
707	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	VK000960KWWFL	HPK3 (K)	HPK3	
708	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	VK001920KWWF N	HPK3 (K)	HPK3	
709	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd- 54addf5312-HPK3-	VK003840KWWFP	HPK3 (K)	HPK3	

	MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	11.1.x86_64.rpm				
710	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 11.1.x86_64.rpm	VK007680KWWF Q	HPK3 (K)	HPK3	
711	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MO001600KVVN B	HPK3 (G)	HPK3	
712	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MO003200KVVN C	HPK3 (G)	HPK3	
713	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MO006400KVVN D	HPK3 (G)	HPK3	
714	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MT001600KWSTB	HPK3 (G)	HPK3	
715	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MT003200KWSTC	HPK3 (G)	HPK3	
716	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd- cea219e4b1-HPK3- 7.1.x86_64.rpm	MT006400KWSTD	HPK3 (G)	HPK3	

717	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPK2-4.1.x86_64.rpm	MT001600KWHAC	HPK2 (D)	HPK2	
718	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPK2-4.1.x86_64.rpm	MT003200KWHAD	HPK2 (D)	HPK2	
719	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPK2-4.1.x86_64.rpm	MT006400KWHAE	HPK2 (D)	HPK2	
720	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-4.1.x86_64.rpm	MZPLJ1T6HBJR-000H3	EPK76H3Q (D)	EPK76H3Q	
721	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-4.1.x86_64.rpm	MZPLJ3T2HBJR-000H3	EPK76H3Q (D)	EPK76H3Q	
722	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-4.1.x86_64.rpm	MZPLJ6T4HALA-000H3	EPK76H3Q (D)	EPK76H3Q	
723	Online NVMe SSD Flash Component for Linux (x64) - MZXLS5800HBHQ-000H3, MZXLS1T6HBJR-000H3, MZXLS3T2HBLS-000H3, MZXLS6T4HALA-000H3, MZXLS12THALA-000H3, MZXLS960HBHQ-000H3, MZXLS1T9HBJR-000H3, MZXLS3T8HBLS-000H3, MZXLS7T6HALA-000H3 and MZXLS15THALA-00H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXLS5800HBHQ-000H3	MPK77H5Q	MPK77H5Q	更新
724	Online NVMe SSD Flash Component for Linux (x64) - MZXLS5800HBHQ-000H3, MZXLS1T6HBJR-000H3, MZXLS3T2HBLS-000H3, MZXLS6T4HALA-000H3, MZXLS12THALA-000H3, MZXLS960HBHQ-000H3, MZXLS1T9HBJR-000H3, MZXLS3T8HBLS-000H3, MZXLS7T6HALA-000H3 and MZXLS15THALA-00H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXLS1T6HBJR-000H3	MPK77H5Q	MPK77H5Q	更新
725	Online NVMe SSD Flash Component for Linux (x64) - MZXLS5800HBHQ-000H3, MZXLS1T6HBJR-000H3, MZXLS3T2HBLS-000H3, MZXLS6T4HALA-000H3, MZXLS12THALA-000H3, MZXLS960HBHQ-000H3, MZXLS1T9HBJR-000H3, MZXLS3T8HBLS-000H3, MZXLS7T6HALA-000H3 and MZXLS15THALA-00H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXLS3T2HBLS-000H3	MPK77H5Q	MPK77H5Q	更新

726	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-000H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL56T4HALA-000H3	MPK77H5Q	MPK77H5Q	更新
727	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-000H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL512THALA-000H3	MPK77H5Q	MPK77H5Q	更新
728	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-000H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL5960HBHQ-000H3	MPK77H5Q	MPK77H5Q	更新
729	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-000H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL51T9HBJR-000H3	MPK77H5Q	MPK77H5Q	更新
730	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-000H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL53T8HBLS-000H3	MPK77H5Q	MPK77H5Q	更新
731	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3,	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL57T6HALA-000H3	MPK77H5Q	MPK77H5Q	更新

	MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
732	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK77H5Q-1.1.x86_64.rpm	MZXL515THALA-000H3	MPK77H5Q	MPK77H5Q	更新
733	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK2-3.1.x86_64.rpm	VO000960KWUEA	HPK2 (C)	HPK2	
734	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK2-3.1.x86_64.rpm	VO001920KWUEB	HPK2 (C)	HPK2	
735	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK2-3.1.x86_64.rpm	VO003840KWUEC	HPK2 (C)	HPK2	
736	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK2-3.1.x86_64.rpm	VO007680KWUED	HPK2 (C)	HPK2	
737	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB,	firmware-hdd-726d5ec795-HPK2-3.1.x86_64.rpm	VO015360KWUEE	HPK2 (C)	HPK2	

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives					
738	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd- 726d5ec795-HPK2- 3.1.x86_64.rpm	MO000800KWUD R	HPK2 (C)	HPK2	
739	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd- 726d5ec795-HPK2- 3.1.x86_64.rpm	MO001600KWUD T	HPK2 (C)	HPK2	
740	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd- 726d5ec795-HPK2- 3.1.x86_64.rpm	MO003200KWUD U	HPK2 (C)	HPK2	
741	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd- 726d5ec795-HPK2- 3.1.x86_64.rpm	MO006400KWUD V	HPK2 (C)	HPK2	
742	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd- a9843986b0-HPK2- 3.1.x86_64.rpm	VO000960KWVBR	HPK2 (C)	HPK2	
743	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd- a9843986b0-HPK2- 3.1.x86_64.rpm	VO001920KWVBT	HPK2 (C)	HPK2	
744	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd- a9843986b0-HPK2- 3.1.x86_64.rpm	VO003840KWVBU	HPK2 (C)	HPK2	

745	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	VO000960KXAVL	HPK5 (E)	HPK5	
746	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	VO001920KXAVP	HPK5 (E)	HPK5	
747	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	VO003840KXAVQ	HPK5 (E)	HPK5	
748	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	VO007680KXAVR	HPK5 (E)	HPK5	
749	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	MO000800KXAVN	HPK5 (E)	HPK5	
750	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	MO001600KXAVT	HPK5 (E)	HPK5	
751	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR,	firmware-hdd-035a863453-HPK5-5.1.x86_64.rpm	MO003200KXAVU	HPK5 (E)	HPK5	

	MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
752	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK5- 5.1.x86_64.rpm	MO006400KXAVV	HPK5 (E)	HPK5	
753	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 7.1.x86_64.rpm	VO001920KWVM T	HPK3 (G)	HPK3	
754	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 7.1.x86_64.rpm	VO003840KWVM U	HPK3 (G)	HPK3	
755	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 7.1.x86_64.rpm	VO007680KWVM V	HPK3 (G)	HPK3	
756	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd- 2af7385a1e-HPK7- 2.1.x86_64.rpm	VO001920KWZQR	HPK7 (B)	HPK7	
757	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd- 2af7385a1e-HPK7- 2.1.x86_64.rpm	VO003840KWZQT	HPK7 (B)	HPK7	
758	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd- 2af7385a1e-HPK7- 2.1.x86_64.rpm	MO001600KWZQ P	HPK7 (B)	HPK7	
759	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd- 2af7385a1e-HPK7- 2.1.x86_64.rpm	MO003200KWZQ Q	HPK7 (B)	HPK7	
760	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	VO001920KYDMT	HPK5	HPK5	更新
761	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV,	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	VO003840KYDMV	HPK5	HPK5	更新

	MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
762	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	MO001600KYDM U	HPK5	HPK5	更新
763	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	MO003200KYDNC	HPK5	HPK5	更新
764	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	MO006400KYDND	HPK5	HPK5	更新
765	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	VO007680KYDNA	HPK5	HPK5	更新
766	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd- a27c95663d-HPK5- 1.1.x86_64.rpm	VO015360KYDNB	HPK5	HPK5	更新
767	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd- 92d876cfea-4ICRHPK3- 8.1.x86_64.rpm	VO002000KWVVC	4ICRHPK3 (H)	4ICRHPK3	
768	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd- 92d876cfea-4ICRHPK3- 8.1.x86_64.rpm	VO004000KWVUR	4ICRHPK3 (H)	4ICRHPK3	
769	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd- 92d876cfea-4ICRHPK3-	MO001600KWVU U	4ICRHPK3 (H)	4ICRHPK3	

	VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	8.1.x86_64.rpm				
770	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd- 92d876cfea-4ICRHPK3- 8.1.x86_64.rpm	MO003200KWVU V	4ICRHPK3 (H)	4ICRHPK3	
771	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd- 92d876cfea-4ICRHPK3- 8.1.x86_64.rpm	MO006400KWVV A	4ICRHPK3 (H)	4ICRHPK3	
772	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd- 805abb7e9c-85032G00- 5.1.x86_64.rpm	VS003840KWXFQ	85032G00 (E)	85032G00	
773	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd- 805abb7e9c-85032G00- 5.1.x86_64.rpm	VS000960KWXFN	85032G00 (E)	85032G00	
774	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd- 805abb7e9c-85032G00- 5.1.x86_64.rpm	VS001920KWXFP	85032G00 (E)	85032G00	
775	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd- 805abb7e9c-85032G00- 5.1.x86_64.rpm	VS000480KXALB	85032G00 (E)	85032G00	
776	Online NVMe SSD Flash Component for Linux (x64) - MZXR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7725Q- 1.1.x86_64.rpm	MZXR800HBHQ- 000H3	MPK7725Q	MPK7725Q	更新
777	Online NVMe SSD Flash Component for Linux (x64) - MZXR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and	firmware-hdd- 951aefd63e- MPK7725Q- 1.1.x86_64.rpm	MZXR1T6HBJR- 000H3	MPK7725Q	MPK7725Q	更新

	MZXLR15THALA-000H3 Driv					
778	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-MPK7725Q-1.1.x86_64.rpm	MZXLR3T2HBLS-000H3	MPK7725Q	MPK7725Q	更新
779	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-MPK7725Q-1.1.x86_64.rpm	MZXLR6T4HALA-000H3	MPK7725Q	MPK7725Q	更新
780	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-MPK7725Q-1.1.x86_64.rpm	MZXLR12THALA-000H3	MPK7725Q	MPK7725Q	更新
781	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-MPK7725Q-1.1.x86_64.rpm	MZXLR960HBHQ-000H3	MPK7725Q	MPK7725Q	更新
782	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-MPK7725Q-1.1.x86_64.rpm	MZXLR1T9HBJR-000H3	MPK7725Q	MPK7725Q	更新
783	Online NVMe SSD Flash Component for Linux (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3,	firmware-hdd-951aefd63e-MPK7725Q-1.1.x86_64.rpm	MZXLR3T8HBLS-000H3	MPK7725Q	MPK7725Q	更新

	MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv					
784	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- MPK7725Q- 1.1.x86_64.rpm	MZXLR7T6HALA- 000H3	MPK7725Q	MPK7725Q	更新
785	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- MPK7725Q- 1.1.x86_64.rpm	MZXLR15THALA- 000H3	MPK7725Q	MPK7725Q	更新
786	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP059258.zip	EO000400KYDKV	HPK4 (B)	HPK4	
787	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP059258.zip	EO000800KYDLA	HPK4 (B)	HPK4	
788	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP059333.zip	ET000750KWJTF	4ICSHPK4 (F)	4ICSHPK4	
789	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP059333.zip	EO000375KWJUC	4ICSHPK4 (F)	4ICSHPK4	
790	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP059333.zip	EO000750KWTXC	4ICSHPK4 (F)	4ICSHPK4	
791	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XVUL800G	GPK7	GPK7	更新

792	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XVUL1T60	GPK7	GPK7	更新
793	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XVUL3T20	GPK7	GPK7	更新
794	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XVUL6T40	GPK7	GPK7	更新
795	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XVUL12T8	GPK7	GPK7	更新
796	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XLUL960G	GPK7	GPK7	更新
797	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40,	CP059368.zip	KCD6XLUL1T92	GPK7	GPK7	更新

	KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
798	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XLUL3T84	GPK7	GPK7	更新
799	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XLUL7T68	GPK7	GPK7	更新
800	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP059368.zip	KCD6XLUL15T3	GPK7	GPK7	更新
801	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP059360.zip	KCM6FRUL1T92	GPK5	GPK5	更新
802	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP059360.zip	KCM6FRUL3T84	GPK5	GPK5	更新
803	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP059360.zip	KCM6FVUL1T60	GPK5	GPK5	更新
804	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP059360.zip	KCM6FVUL3T20	GPK5	GPK5	更新

805	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XVUL800G	GPK7	GPK7	更新
806	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XVUL1T60	GPK7	GPK7	更新
807	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XVUL3T20	GPK7	GPK7	更新
808	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XVUL6T40	GPK7	GPK7	更新
809	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XRUL960G	GPK7	GPK7	更新
810	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XRUL1T92	GPK7	GPK7	更新
811	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40,	CP059363.zip	KCM6XRUL3T84	GPK7	GPK7	更新

	KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
812	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP059363.zip	KCM6XRUL7T68	GPK7	GPK7	更新
813	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	MK000400KWDU K	HPK4 (J)	HPK4	
814	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	VK000480KWDUE	HPK4 (J)	HPK4	
815	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	MK000800KWDU L	HPK4 (J)	HPK4	
816	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	VK000960KWDUF	HPK4 (J)	HPK4	
817	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	MK001600KWDU N	HPK4 (J)	HPK4	
818	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP059323.zip	VK001920KWDUH	HPK4 (J)	HPK4	
819	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF,	CP059325.zip	MK000800KWWF E	HPK3 (F)	HPK3	

	MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives					
820	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	MK001600KWWF F	HPK3 (F)	HPK3	
821	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	MK003200KWWF H	HPK3 (F)	HPK3	
822	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	MK006400KWWF K	HPK3 (F)	HPK3	
823	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	VK000960KWWFL	HPK3 (F)	HPK3	
824	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	VK001920KWWF N	HPK3 (F)	HPK3	
825	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	VK003840KWWFP	HPK3 (F)	HPK3	

826	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP059325.zip	VK007680KWWFQ	HPK3 (F)	HPK3	
827	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MO001600KVVNB	HPK3 (E)	HPK3	
828	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MO003200KVVNC	HPK3 (E)	HPK3	
829	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MO006400KVVND	HPK3 (E)	HPK3	
830	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MT001600KWSTB	HPK3 (E)	HPK3	
831	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MT003200KWSTC	HPK3 (E)	HPK3	
832	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP059315.zip	MT006400KWSTD	HPK3 (E)	HPK3	
833	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP059314.zip	MT001600KWHAC	HPK2 (D)	HPK2	
834	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC,	CP059314.zip	MT003200KWHAD	HPK2 (D)	HPK2	

	MT003200KWHAD and MT006400KWHAE Drives					
835	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP059314.zip	MT006400KWHAE	HPK2 (D)	HPK2	
836	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP059335.zip	MZPLJ1T6HBJR-000H3	EPK76H3Q (E)	EPK76H3Q	
837	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP059335.zip	MZPLJ3T2HBJR-000H3	EPK76H3Q (E)	EPK76H3Q	
838	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP059335.zip	MZPLJ6T4HALA-000H3	EPK76H3Q (E)	EPK76H3Q	
839	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	CP059793.zip	MZXL5800HBHQ-000H3	MPK77H5Q	MPK77H5Q	更新
840	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	CP059793.zip	MZXL51T6HBJR-000H3	MPK77H5Q	MPK77H5Q	更新
841	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	CP059793.zip	MZXL53T2HBLS-000H3	MPK77H5Q	MPK77H5Q	更新
842	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3,	CP059793.zip	MZXL56T4HALA-000H3	MPK77H5Q	MPK77H5Q	更新

	MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
843	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	CP059793.zip	MZXL5960HBHQ- 000H3	MPK77H5Q	MPK77H5Q	更新
844	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	CP059793.zip	MZXL51T9HBJR- 000H3	MPK77H5Q	MPK77H5Q	更新
845	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	CP059793.zip	MZXL53T8HBLS- 000H3	MPK77H5Q	MPK77H5Q	更新
846	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	CP059793.zip	MZXL57T6HALA- 000H3	MPK77H5Q	MPK77H5Q	更新
847	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	CP059793.zip	MZXL515THALA- 000H3	MPK77H5Q	MPK77H5Q	更新
848	Online NVMe SSD Flash Component for VMware ESXi	CP059793.zip	MZXL512THALA- 000H3	MPK77H5Q	MPK77H5Q	更新

	- MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-000H3 Driv					
849	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H Driv	CP059790.zip	MZXLR800HBHQ- 000H3	MPK7725Q	MPK7725Q	更新
850	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H Driv	CP059790.zip	MZXLR1T6HBJR- 000H3	MPK7725Q	MPK7725Q	更新
851	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H Driv	CP059790.zip	MZXLR3T2HBLS- 000H3	MPK7725Q	MPK7725Q	更新
852	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3, MZXR1T9HBJR-000H3, MZXR3T8HBLS-000H3, MZXR7T6HALA-000H3 and MZXR15THALA-000H Driv	CP059790.zip	MZXLR6T4HALA- 000H3	MPK7725Q	MPK7725Q	更新
853	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXR1T6HBJR-000H3, MZXR3T2HBLS-000H3, MZXR6T4HALA-000H3, MZXR12THALA-000H3, MZXR960HBHQ-000H3,	CP059790.zip	MZXLR12THALA- 000H3	MPK7725Q	MPK7725Q	更新

	MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv					
854	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP059790.zip	MZXLR960HBHQ- 000H3	MPK7725Q	MPK7725Q	更新
855	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP059790.zip	MZXLR1T9HBJR- 000H3	MPK7725Q	MPK7725Q	更新
856	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP059790.zip	MZXLR3T8HBLS- 000H3	MPK7725Q	MPK7725Q	更新
857	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP059790.zip	MZXLR7T6HALA- 000H3	MPK7725Q	MPK7725Q	更新
858	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP059790.zip	MZXLR15THALA- 000H3	MPK7725Q	MPK7725Q	更新
859	Online NVMe SSD Flash Component for VMware ESXi	CP059334.zip	VO000960KWUEA	HPK2 (C)	HPK2	

	- VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives					
860	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	VO001920KWUEB	HPK2 (C)	HPK2	
861	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	VO003840KWUEC	HPK2 (C)	HPK2	
862	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	VO007680KWUED	HPK2 (C)	HPK2	
863	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	VO015360KWUEE	HPK2 (C)	HPK2	
864	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	MO000800KWUD R	HPK2 (C)	HPK2	
865	Online NVMe SSD Flash Component for VMware ESXi	CP059334.zip	MO001600KWUD T	HPK2 (C)	HPK2	

	- VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives					
866	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	MO003200KWUD U	HPK2 (C)	HPK2	
867	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP059334.zip	MO006400KWUD V	HPK2 (C)	HPK2	
868	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP059332.zip	VO000960KWVBR	HPK2 (C)	HPK2	
869	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP059332.zip	VO001920KWVBT	HPK2 (C)	HPK2	
870	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP059332.zip	VO003840KWVBU	HPK2 (C)	HPK2	
871	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	VO000960KXAVL	HPK5 (C)	HPK5	
872	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	VO001920KXAVP	HPK5 (C)	HPK5	

873	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	VO003840KXAVQ	HPK5 (C)	HPK5	
874	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	VO007680KXAVR	HPK5 (C)	HPK5	
875	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	MO000800KXAVN	HPK5 (C)	HPK5	
876	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	MO001600KXAVT	HPK5 (C)	HPK5	
877	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	MO003200KXAVU	HPK5 (C)	HPK5	
878	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP059339.zip	MO006400KXAVV	HPK5 (C)	HPK5	
879	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP059316.zip	VO001920KWVMT	HPK3 (E)	HPK3	
880	Online NVMe SSD Flash	CP059316.zip	VO003840KWVMT	HPK3 (E)	HPK3	

	Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives		U			
881	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP059316.zip	VO007680KWVM V	HPK3 (E)	HPK3	
882	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP059262.zip	VO001920KWZQR	HPK7 (B)	HPK7	
883	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP059262.zip	VO003840KWZQT	HPK7 (B)	HPK7	
884	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP059262.zip	MO001600KWZQ P	HPK7 (B)	HPK7	
885	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP059262.zip	MO003200KWZQ Q	HPK7 (B)	HPK7	
886	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	VO001920KYDMT	HPK5	HPK5	更新
887	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	VO003840KYDMV	HPK5	HPK5	更新
888	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	MO001600KYDM U	HPK5	HPK5	更新
889	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC,	CP059787.zip	MO003200KYDNC	HPK5	HPK5	更新

	MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
890	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	MO006400KYDND	HPK5	HPK5	更新
891	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	VO007680KYDNA	HPK5	HPK5	更新
892	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP059787.zip	VO015360KYDNB	HPK5	HPK5	更新
893	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP059336.zip	VO002000KWVVC	4ICRHPK3 (F)	4ICRHPK3	
894	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP059336.zip	VO004000KWVUR	4ICRHPK3 (F)	4ICRHPK3	
895	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP059336.zip	MO001600KWVU U	4ICRHPK3 (F)	4ICRHPK3	
896	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP059336.zip	MO003200KWVU V	4ICRHPK3 (F)	4ICRHPK3	
897	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP059336.zip	MO006400KWVV A	4ICRHPK3 (F)	4ICRHPK3	
898	Online NVMe SSD Flash	CP059324.zip	VS003840KWXFQ	85032G00	85032G00	

	Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives			(C)		
899	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP059324.zip	VS001920KWXFP	85032G00 (C)	85032G00	
900	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP059324.zip	VS000960KWXFN	85032G00 (C)	85032G00	
901	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP059324.zip	VS000480KXALB	85032G00 (C)	85032G00	
902	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp059259.exe	EO000400KYDKV	HPK4 (B)	HPK4	
903	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp059259.exe	EO000800KYDLA	HPK4 (B)	HPK4	
904	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp059306.exe	ET000750KWJTF	4ICSHPK4 (F)	4ICSHPK4	
905	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp059306.exe	EO000375KWJUC	4ICSHPK4 (F)	4ICSHPK4	
906	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp059306.exe	EO000750KWTXC	4ICSHPK4 (F)	4ICSHPK4	
907	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XVUL800G	GPK7	GPK7	更新
908	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G,	cp059369.exe	KCD6XVUL1T60	GPK7	GPK7	更新

	KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
909	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XVUL3T20	GPK7	GPK7	更新
910	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XVUL6T40	GPK7	GPK7	更新
911	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XVUL12T8	GPK7	GPK7	更新
912	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XLUL960G	GPK7	GPK7	更新
913	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XLUL1T92	GPK7	GPK7	更新
914	Online NVMe SSD Flash Component for Windows	cp059369.exe	KCD6XLUL3T84	GPK7	GPK7	更新

	(x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
915	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XLUL7T68	GPK7	GPK7	更新
916	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp059369.exe	KCD6XLUL15T3	GPK7	GPK7	更新
917	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp059361.exe	KCM6FRUL1T92	GPK5	GPK5	更新
918	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp059361.exe	KCM6FRUL3T84	GPK5	GPK5	更新
919	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp059361.exe	KCM6FVUL1T60	GPK5	GPK5	更新
920	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp059361.exe	KCM6FVUL3T20	GPK5	GPK5	更新
921	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92,	cp059364.exe	KCM6XVUL800G	GPK7	GPK7	更新

	KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
922	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XVUL1T60	GPK7	GPK7	更新
923	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XVUL3T20	GPK7	GPK7	更新
924	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XVUL6T40	GPK7	GPK7	更新
925	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XRUL960G	GPK7	GPK7	更新
926	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XRUL1T92	GPK7	GPK7	更新
927	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp059364.exe	KCM6XRUL3T84	GPK7	GPK7	更新
928	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60,	cp059364.exe	KCM6XRUL7T68	GPK7	GPK7	更新

	KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
929	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	VK001920KWDUH	HPK4 (G)	HPK4	
930	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	MK001600KWDUN	HPK4 (G)	HPK4	
931	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	VK000960KWDUF	HPK4 (G)	HPK4	
932	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	MK000800KWDUL	HPK4 (G)	HPK4	
933	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	VK000480KWDUE	HPK4 (G)	HPK4	
934	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp059296.exe	MK000400KWDUK	HPK4 (G)	HPK4	
935	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	MK000800KWWFE	HPK3 (F)	HPK3	
936	Online NVMe SSD Flash Component for Windows	cp059327.exe	MK001600KWWFF	HPK3 (F)	HPK3	

	(x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives					
937	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	MK003200KWWF H	HPK3 (F)	HPK3	
938	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	MK006400KWWF K	HPK3 (F)	HPK3	
939	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	VK000960KWWFL	HPK3 (F)	HPK3	
940	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	VK001920KWWF N	HPK3 (F)	HPK3	
941	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp059327.exe	VK003840KWWFP	HPK3 (F)	HPK3	
942	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN,	cp059327.exe	VK007680KWWF Q	HPK3 (F)	HPK3	

	VK003840KWWFP and VK007680KWWFQ Drives					
943	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MO001600KVVNB	HPK3 (E)	HPK3	
944	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MO003200KVVNC	HPK3 (E)	HPK3	
945	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MO006400KVVND	HPK3 (E)	HPK3	
946	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MT001600KWSTB	HPK3 (E)	HPK3	
947	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MT003200KWSTC	HPK3 (E)	HPK3	
948	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp059291.exe	MT006400KWSTD	HPK3 (E)	HPK3	
949	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp059284.exe	MT001600KWHAC	HPK2 (C)	HPK2	
950	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp059284.exe	MT003200KWHAD	HPK2 (C)	HPK2	
951	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp059284.exe	MT006400KWHAE	HPK2 (C)	HPK2	
952	Online NVMe SSD Flash	cp059305.exe	MZPLJ1T6HBJR-	EPK76H3Q	EPK76H3Q	

	Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives		000H3	(D)		
953	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp059305.exe	MZPLJ3T2HBJR-000H3	EPK76H3Q (D)	EPK76H3Q	
954	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp059305.exe	MZPLJ6T4HALA-000H3	EPK76H3Q (D)	EPK76H3Q	
955	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	cp059794.exe	MZXL5800HBHQ-000H3	MPK77H5Q	MPK77H5Q	更新
956	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	cp059794.exe	MZXL51T6HBJR-000H3	MPK77H5Q	MPK77H5Q	更新
957	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	cp059794.exe	MZXL53T2HBLS-000H3	MPK77H5Q	MPK77H5Q	更新
958	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	cp059794.exe	MZXL56T4HALA-000H3	MPK77H5Q	MPK77H5Q	更新

959	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	cp059794.exe	MZXL512THALA-000H3	MPK77H5Q	MPK77H5Q	更新
960	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	cp059794.exe	MZXL5960HBHQ-000H3	MPK77H5Q	MPK77H5Q	更新
961	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	cp059794.exe	MZXL51T9HBJR-000H3	MPK77H5Q	MPK77H5Q	更新
962	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	cp059794.exe	MZXL53T8HBLS-000H3	MPK77H5Q	MPK77H5Q	更新
963	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	cp059794.exe	MZXL57T6HALA-000H3	MPK77H5Q	MPK77H5Q	更新
964	Online NVMe SSD Flash	cp059794.exe	MZXL515THALA-	MPK77H5Q	MPK77H5Q	更新

	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		000H3			
965	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	cp059791.exe	MZXLR800HBHQ-000H3	MPK7725Q	MPK7725Q	更新
966	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	cp059791.exe	MZXLR1T6HBJR-000H3	MPK7725Q	MPK7725Q	更新
967	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	cp059791.exe	MZXLR3T2HBLS-000H3	MPK7725Q	MPK7725Q	更新
968	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	cp059791.exe	MZXLR6T4HALA-000H3	MPK7725Q	MPK7725Q	更新
969	Online NVMe SSD Flash Component for Windows	cp059791.exe	MZXLR12THALA-000H3	MPK7725Q	MPK7725Q	更新

	(x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive					
970	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	cp059791.exe	MZXLR960HBHQ-000H3	MPK7725Q	MPK7725Q	更新
971	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	cp059791.exe	MZXLR1T9HBJR-000H3	MPK7725Q	MPK7725Q	更新
972	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	cp059791.exe	MZXLR3T8HBLS-000H3	MPK7725Q	MPK7725Q	更新
973	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	cp059791.exe	MZXLR7T6HALA-000H3	MPK7725Q	MPK7725Q	更新
974	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-	cp059791.exe	MZXLR15THALA-000H3	MPK7725Q	MPK7725Q	更新

	000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive					
975	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	VO000960KWUEA	HPK2 (B)	HPK2	
976	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	VO001920KWUEB	HPK2 (B)	HPK2	
977	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	VO003840KWUEC	HPK2 (B)	HPK2	
978	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	VO007680KWUED	HPK2 (B)	HPK2	
979	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	VO015360KWUEE	HPK2 (B)	HPK2	
980	Online NVMe SSD Flash	cp059290.exe	MO000800KWUD	HPK2 (B)	HPK2	

	Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives		R			
981	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	MO001600KWUD T	HPK2 (B)	HPK2	
982	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	MO003200KWUD U	HPK2 (B)	HPK2	
983	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp059290.exe	MO006400KWUD V	HPK2 (B)	HPK2	
984	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp059289.exe	VO000960KWVBR	HPK2 (B)	HPK2	
985	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp059289.exe	VO001920KWVBT	HPK2 (B)	HPK2	
986	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp059289.exe	VO003840KWVBU	HPK2 (B)	HPK2	
987	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT,	cp059337.exe	VO000960KXAVL	HPK5 (D)	HPK5	

	MO003200KXAVU and MO006400KXAVV Drives					
988	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	VO001920KXAVP	HPK5 (D)	HPK5	
989	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	VO003840KXAVQ	HPK5 (D)	HPK5	
990	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	VO007680KXAVR	HPK5 (D)	HPK5	
991	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	MO000800KXAVN	HPK5 (D)	HPK5	
992	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	MO001600KXAVT	HPK5 (D)	HPK5	
993	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp059337.exe	MO003200KXAVU	HPK5 (D)	HPK5	
994	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP,	cp059337.exe	MO006400KXAVV	HPK5 (D)	HPK5	

	VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
995	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp059292.exe	VO001920KWVMT	HPK3 (E)	HPK3	
996	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp059292.exe	VO003840KWVMU	HPK3 (E)	HPK3	
997	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp059292.exe	VO007680KWVMV	HPK3 (E)	HPK3	
998	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp059256.exe	VO001920KWZQR	HPK7 (B)	HPK7	
999	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp059256.exe	VO003840KWZQT	HPK7 (B)	HPK7	
1000	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp059256.exe	MO001600KWZQP	HPK7 (B)	HPK7	
1001	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp059256.exe	MO003200KWZQQ	HPK7 (B)	HPK7	
1002	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	VO001920KYDMT	HPK5	HPK5	更新
1003	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	VO003840KYDMV	HPK5	HPK5	更新
1004	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT,	cp059788.exe	MO001600KYDMU	HPK5	HPK5	更新

	VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
1005	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	MO003200KYDNC	HPK5	HPK5	更新
1006	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	MO006400KYDND	HPK5	HPK5	更新
1007	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	VO007680KYDNA	HPK5	HPK5	更新
1008	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp059788.exe	VO015360KYDNB	HPK5	HPK5	更新
1009	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp059302.exe	VO002000KWVVC	4ICRHPK3 (F)	4ICRHPK3	
1010	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp059302.exe	VO004000KWVUR	4ICRHPK3 (F)	4ICRHPK3	
1011	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp059302.exe	MO001600KWVU U	4ICRHPK3 (F)	4ICRHPK3	
1012	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC,	cp059302.exe	MO003200KWVU V	4ICRHPK3 (F)	4ICRHPK3	

	VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives					
1013	Online NVMe SSD Flash Component for Windows (x64) - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp059302.exe	MO006400KVVV A	4ICRHPK3 (F)	4ICRHPK3	
1014	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp059293.exe	VS000480KXALB	85032G00 (D)	85032G00	
1015	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp059293.exe	VS000960KWXFN	85032G00 (D)	85032G00	
1016	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp059293.exe	VS001920KWXFP	85032G00 (D)	85032G00	
1017	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp059293.exe	VS003840KWXFQ	85032G00 (D)	85032G00	
1018	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAH PK5.fwpkg	Solidigm-P5x20- NVMe	HPK5	HPK5	新規追加
1019	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_M7450AL LHPS1.fwpkg	Micron-7450- NVMe	HPS1	HPS1	新規追加
1020	Universal Firmware Package for Drives - VR000480KXNXE,VR000960K XNZU and VS001920KXNXF	Micron_7450_M7450AL LHPK2.fwpkg	Micron-7450- NVMe	HPK2	HPK2	新規追加

6.2.13 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1021	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/	cp053969.exe	Innovation Engine (IE) Firmware	0.2.3.0 (B)	0.2.3.0	

	5200/6100/6200/8100/8200 series Processors					
1022	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	更新
1023	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	cp059909.exe	Gen10 Plus Power Management Controller Firmware	1.1.4	1.1.4	更新
1024	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	
1025	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	更新

6.2.14 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1026	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive	firmware-hdd-2e4c61fc63-HPD5-6.1.x86_64.rpm	EG000300JWBHR	HPD5 (F)	HPD5	
1027	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive	firmware-hdd-c5cd837c29-HPD3-6.1.x86_64.rpm	EG000300JWFVB	HPD3 (F)	HPD3	
1028	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-5.1.x86_64.rpm	EG000300JWSJP	HPD5 (E)	HPD5	
1029	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-5.1.x86_64.rpm	EG000600JWJNH	HPD5 (E)	HPD5	
1030	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-5.1.x86_64.rpm	EG001200JWJNK	HPD5 (E)	HPD5	
1031	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD5-7.1.x86_64.rpm	EG000600JWEBH	HPD5 (G)	HPD5	
1032	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD5-7.1.x86_64.rpm	EG000300JWEBF	HPD5 (G)	HPD5	
1033	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-f0c91d2fe3-HPD4-	EG000600JWFUV	HPD4 (F)	HPD4	

	EG000600JWFUV and EG001200JWFVA Drives	6.1.x86_64.rpm				
1034	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-6.1.x86_64.rpm	EG001200JWFVA	HPD4 (F)	HPD4	
1035	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-2.1.x86_64.rpm	EG000600JWJNP	HPD8 (B)	HPD8	
1036	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-2.1.x86_64.rpm	EG001200JWJNQ	HPD8 (B)	HPD8	
1037	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-2.1.x86_64.rpm	EG001200MXJQU	HPD8 (B)	HPD8	
1038	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-2.1.x86_64.rpm	EG000600JXLVV	HPD8 (B)	HPD8	
1039	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-2.1.x86_64.rpm	EG001200JXLWA	HPD8 (B)	HPD8	
1040	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive	firmware-hdd-693b9a2853-HPD4-6.1.x86_64.rpm	EG001800JWFVC	HPD4 (F)	HPD4	
1041	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-5.1.x86_64.rpm	EG001800JWJNL	HPD5 (E)	HPD5	
1042	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-5.1.x86_64.rpm	EG002400JWJNN	HPD5 (E)	HPD5	
1043	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-3.1.x86_64.rpm	EG001800JWJNR	HPDA (C)	HPDA	
1044	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-3.1.x86_64.rpm	EG002400JWJNT	HPDA (C)	HPDA	

1045	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-3.1.x86_64.rpm	EG002400MXJQT	HPDA (C)	HPDA	
1046	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-3.1.x86_64.rpm	EG001800JXLWB	HPDA (C)	HPDA	
1047	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-3.1.x86_64.rpm	EG002400JXLWC	HPDA (C)	HPDA	
1048	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-6.1.x86_64.rpm	EG0600JETKA	HPD8 (F)	HPD8	
1049	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-6.1.x86_64.rpm	EG0900JETKB	HPD8 (F)	HPD8	
1050	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-6.1.x86_64.rpm	EG1200JETKC	HPD8 (F)	HPD8	
1051	Online HDD/SSD Flash Component for Linux (x64) - EG1800JEHMD Drive	firmware-hdd-8a2c06af48-HPD6-13.1.x86_64.rpm	EG1800JEHMD	HPD6 (M)	HPD6	
1052	Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive	firmware-hdd-7fc5497116-HPD8-6.1.x86_64.rpm	EG1800JFHMH	HPD8 (F)	HPD8	
1053	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD9-1.1.x86_64.rpm	EH000900JWCPN	HPD9	HPD9	
1054	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD9-1.1.x86_64.rpm	EH000600JWCPL	HPD9	HPD9	
1055	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD9-1.1.x86_64.rpm	EH000300JWCPK	HPD9	HPD9	
1056	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD9-1.1.x86_64.rpm	EH000900JXLVU	HPD9	HPD9	
1057	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD9-1.1.x86_64.rpm	EH000300JXLVR	HPD9	HPD9	
1058	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-3d97759111-HPD9-	EH000600JXLVT	HPD9	HPD9	

	EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	1.1.x86_64.rpm				
1059	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPL and EH000900JWCPH Drives	firmware-hdd- a05f29cef3-HPDC- 2.1.x86_64.rpm	EH000900JWCPH	HPDC (B)	HPDC	
1060	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPL and EH000900JWCPH Drives	firmware-hdd- a05f29cef3-HPDC- 2.1.x86_64.rpm	EH000600JWCPL	HPDC (B)	HPDC	
1061	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd- c7df7ceedb-HPD8- 3.1.x86_64.rpm	EH000900JWHPK	HPD8 (C)	HPD8	
1062	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd- c7df7ceedb-HPD8- 3.1.x86_64.rpm	EH000600JWHPH	HPD8 (C)	HPD8	
1063	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd- 8d68452816-HPD8- 3.1.x86_64.rpm	EH000900JWHPH	HPD8 (C)	HPD8	
1064	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd- 8d68452816-HPD8- 3.1.x86_64.rpm	EH000600JWHPN	HPD8 (C)	HPD8	
1065	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd- 8d68452816-HPD8- 3.1.x86_64.rpm	EH000300JWHPL	HPD8 (C)	HPD8	
1066	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd- b9340d29be-HPD6- 13.1.x86_64.rpm	EH0300JDYTH	HPD6 (M)	HPD6	
1067	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd- b9340d29be-HPD6- 13.1.x86_64.rpm	EH0450JDYTK	HPD6 (M)	HPD6	
1068	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd- b9340d29be-HPD6- 13.1.x86_64.rpm	EH0600JDYTL	HPD6 (M)	HPD6	
1069	Online HDD/SSD Flash Component for Linux (x64) - EH0600JDYTN Drive	firmware-hdd- f3faa195ff-HPD7- 11.1.x86_64.rpm	EH0600JDYTN	HPD7 (K)	HPD7	
1070	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd- 481c8ea9a7-HPD7- 7.1.x86_64.rpm	EK0800JVYPN	HPD7 (G)	HPD7	
1071	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd- 481c8ea9a7-HPD7- 7.1.x86_64.rpm	EO1600JVYPP	HPD7 (G)	HPD7	
1072	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd- 481c8ea9a7-HPD7- 7.1.x86_64.rpm	MK0800JVYPQ	HPD7 (G)	HPD7	
1073	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- 481c8ea9a7-HPD7-	MO1600JVYPR	HPD7 (G)	HPD7	

	EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	7.1.x86_64.rpm				
1074	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	EO000400JWDKP	HPD2 (J)	HPD2	
1075	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	EO000800JWDKQ	HPD2 (J)	HPD2	
1076	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	EO001600JWDKR	HPD2 (J)	HPD2	
1077	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	MO000400JWDK U	HPD2 (J)	HPD2	
1078	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	MO000800JWDK V	HPD2 (J)	HPD2	
1079	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	MO001600JWDLA	HPD2 (J)	HPD2	
1080	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-10.1.x86_64.rpm	MO003200JWDLB	HPD2 (J)	HPD2	

1081	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD3-4.1.x86_64.rpm	EO000400PXDBQ	HPD3 (D)	HPD3	
1082	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD3-4.1.x86_64.rpm	EO000800PXDCCK	HPD3 (D)	HPD3	
1083	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD3-4.1.x86_64.rpm	EO001600PXDCH	HPD3 (D)	HPD3	
1084	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD3-4.1.x86_64.rpm	MO000800PXDBP	HPD3 (D)	HPD3	
1085	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN,	firmware-hdd-42aff4675b-HPD3-4.1.x86_64.rpm	MO001600PXDCC	HPD3 (D)	HPD3	

	VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1086	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	MO003200PXDCCD	HPD3 (D)	HPD3	
1087	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	MO006400PXDCE	HPD3 (D)	HPD3	
1088	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	VO000960PXDBN	HPD3 (D)	HPD3	
1089	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	VO001920PXDBR	HPD3 (D)	HPD3	
1090	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP,	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	VO003840PXDBT	HPD3 (D)	HPD3	

	MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1091	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	VO007680PXDBU	HPD3 (D)	HPD3	
1092	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD3- 4.1.x86_64.rpm	VO015300PXDBV	HPD3 (D)	HPD3	
1093	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd- d7af557f47-HPD4- 7.1.x86_64.rpm	MB002000JWFVN	HPD4 (G)	HPD4	
1094	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd- d7af557f47-HPD4- 7.1.x86_64.rpm	MB004000JWFVP	HPD4 (G)	HPD4	
1095	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd- d4be2aecbb-HPD2- 4.1.x86_64.rpm	MB002000JYDNE	HPD2 (D)	HPD2	
1096	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd- d4be2aecbb-HPD2- 4.1.x86_64.rpm	MB004000JYDPB	HPD2 (D)	HPD2	
1097	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd- f6d00bd17e-HPD4- 6.1.x86_64.rpm	MB004000JWFVK	HPD4 (F)	HPD4	
1098	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd- f6d00bd17e-HPD4- 6.1.x86_64.rpm	MB006000JWFVL	HPD4 (F)	HPD4	
1099	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive	firmware-hdd- 2c27a7a9a4-HPD2- 6.1.x86_64.rpm	MB004000JWKGU	HPD2 (F)	HPD2	
1100	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and	firmware-hdd- adb3ab8147-HPD8- 4.1.x86_64.rpm	MB004000JWWQ B	HPD8 (D)	HPD8	

	MB002000JWWQA Drives					
1101	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-4.1.x86_64.rpm	MB002000JWWQA	HPD8 (D)	HPD8	
1102	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive	firmware-hdd-a886842a99-HPD2-6.1.x86_64.rpm	MB006000JWKGN	HPD2 (F)	HPD2	
1103	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-4.1.x86_64.rpm	MB006000JYDNF	HPD2 (D)	HPD2	
1104	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-4.1.x86_64.rpm	MB008000JYDPC	HPD2 (D)	HPD2	
1105	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-6.1.x86_64.rpm	MB008000JWJRQ	HPD9 (F)	HPD9	
1106	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-6.1.x86_64.rpm	MB006000JWJRP	HPD9 (F)	HPD9	
1107	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive	firmware-hdd-8b26d1ef02-HPD2-7.1.x86_64.rpm	MB008000JWRTD	HPD2 (G)	HPD2	
1108	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-4.1.x86_64.rpm	MB008000JWWQP	HPD8 (D)	HPD8	
1109	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-4.1.x86_64.rpm	MB006000JWWQN	HPD8 (D)	HPD8	
1110	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-6.1.x86_64.rpm	MB010000JWAYK	HPD6 (F)	HPD6	
1111	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-6.1.x86_64.rpm	MB008000JWAYH	HPD6 (F)	HPD6	
1112	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-3.1.x86_64.rpm	MB010000JWZHA	HPD4 (C)	HPD4	
1113	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-3.1.x86_64.rpm	MB012000JWZHB	HPD4 (C)	HPD4	
1114	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-3.1.x86_64.rpm	MB014000JWZHC	HPD4 (C)	HPD4	
1115	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and	firmware-hdd-cf0b6cabe1-HPD4-3.1.x86_64.rpm	MB016000JWZHE	HPD4 (C)	HPD4	

	MB016000JWZHE Drives					
1116	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-1.1.x86_64.rpm	MB010000JYDKK	HPD3	HPD3	更新
1117	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-1.1.x86_64.rpm	MB012000JYCJF	HPD3	HPD3	更新
1118	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-1.1.x86_64.rpm	MB014000JYCJV	HPD3	HPD3	更新
1119	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-1.1.x86_64.rpm	MB016000JYDKL	HPD3	HPD3	更新
1120	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-1.1.x86_64.rpm	MB018000JYDKN	HPD3	HPD3	更新
1121	Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive	firmware-hdd-aaf1014ede-HPD3-7.1.x86_64.rpm	MB012000JWDFD	HPD3 (G)	HPD3	
1122	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-1.1.x86_64.rpm	MB012000JZYVN	HPD4	HPD4	更新
1123	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-1.1.x86_64.rpm	MB014000JZYVP	HPD4	HPD4	更新
1124	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-1.1.x86_64.rpm	MB016000JZYVQ	HPD4	HPD4	更新
1125	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-1.1.x86_64.rpm	MB018000JYCLK	HPD4	HPD4	更新
1126	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH,	firmware-hdd-10385ef3e6-HPD2-10.1.x86_64.rpm	MB014000JWRTH	HPD2 (J)	HPD2	

	MB012000JWRTE and MB010000JWRTE Drives					
1127	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-10.1.x86_64.rpm	MB012000JWRTE	HPD2 (J)	HPD2	
1128	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-10.1.x86_64.rpm	MB010000JWRTE	HPD2 (J)	HPD2	
1129	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-6.1.x86_64.rpm	MB014000JWTFD	HPD8 (F)	HPD8	
1130	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-6.1.x86_64.rpm	MB012000JWTFD	HPD8 (F)	HPD8	
1131	Online HDD/SSD Flash Component for Linux (x64) - MB014000JUDB Drive	firmware-hdd-cfd7436fcc-HPD3-7.1.x86_64.rpm	MB014000JUDB	HPD3 (G)	HPD3	
1132	Online HDD/SSD Flash Component for Linux (x64) - MB014000JUCC Drive	firmware-hdd-017797f12e-HPD4-2.1.x86_64.rpm	MB014000JUCC	HPD4 (B)	HPD4	新規追加
1133	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDA-2.1.x86_64.rpm	MB016000JWXKH	HPDA (B)	HPDA	
1134	Online HDD/SSD Flash Component for Linux (x64) - MB016000JLBA and MB018000JLAU Drives	firmware-hdd-d550523365-HPD3-2.1.x86_64.rpm	MB016000JLBA	HPD3 (B)	HPD3	更新
1135	Online HDD/SSD Flash Component for Linux (x64) - MB016000JLBA and MB018000JLAU Drives	firmware-hdd-d550523365-HPD3-2.1.x86_64.rpm	MB018000JLAU	HPD3 (B)	HPD3	更新
1136	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTM and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-1.1.x86_64.rpm	MB020000JXMTP	HPD2	HPD2	更新
1137	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTM and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-1.1.x86_64.rpm	MB018000JXMTM	HPD2	HPD2	更新
1138	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-10.1.x86_64.rpm	MB1000JVYZL	HPD3 (J)	HPD3	
1139	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-10.1.x86_64.rpm	MB2000JVYZN	HPD3 (J)	HPD3	
1140	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-10.1.x86_64.rpm	MB3000JVYZP	HPD3 (J)	HPD3	
1141	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-10.1.x86_64.rpm	MB4000JVYZQ	HPD3 (J)	HPD3	
1142	Online HDD/SSD Flash	firmware-hdd-	MB2000JFDSL	HPD4 (L)	HPD4	

	Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	46fc43ab26-HPD4-12.1.x86_64.rpm				
1143	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-12.1.x86_64.rpm	MB4000JFDSN	HPD4 (L)	HPD4	
1144	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives	firmware-hdd-624b75c7e2-HPD6-11.1.x86_64.rpm	MB2000JFEML	HPD6 (K)	HPD6	
1145	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives	firmware-hdd-624b75c7e2-HPD6-11.1.x86_64.rpm	MB4000JFEMN	HPD6 (K)	HPD6	
1146	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-12.1.x86_64.rpm	MB4000JEQNL	HPDB (L)	HPDB	
1147	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-12.1.x86_64.rpm	MB6000JEQNN	HPDB (L)	HPDB	
1148	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-10.1.x86_64.rpm	MB6000JVYZD	HPD4 (J)	HPD4	
1149	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-10.1.x86_64.rpm	MB4000JVYZC	HPD4 (J)	HPD4	
1150	Online HDD/SSD Flash Component for Linux (x64) - MB8000JFECQ Drive	firmware-hdd-252770cdda-HPD7-11.1.x86_64.rpm	MB8000JFECQ	HPD7 (K)	HPD7	
1151	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-3.1.x86_64.rpm	MM1000JEFRB	HPDA (C)	HPDA	
1152	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-3.1.x86_64.rpm	MM2000JEFRC	HPDA (C)	HPDA	
1153	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-3.1.x86_64.rpm	MM1000JFJTH	HPD5 (C)	HPD5	
1154	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-9.1.x86_64.rpm	MO000400JWFVN	HPD5 (I)	HPD5	
1155	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-9.1.x86_64.rpm	MO000800JWFVP	HPD5 (I)	HPD5	
1156	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN,	firmware-hdd-b8a60fbe9a-HPD5-9.1.x86_64.rpm	MO001600JWFVQ	HPD5 (I)	HPD5	

	MO000800JWFWP, MO001600JWFQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives					
1157	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 9.1.x86_64.rpm	MO003200JFW R	HPD5 (I)	HPD5	
1158	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 9.1.x86_64.rpm	MO000960JFW T	HPD5 (I)	HPD5	
1159	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 9.1.x86_64.rpm	MO001920JFW U	HPD5 (I)	HPD5	
1160	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFQ, MO003200JFWWR, MO000960JFWFT, MO001920JFWFU and MO003840JFWV Drives	firmware-hdd- b8a60fbe9a-HPD5- 9.1.x86_64.rpm	MO003840JFW V	HPD5 (I)	HPD5	
1161	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBVE, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO000800JXB EV	HPD1 (F)	HPD1	
1162	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBVE, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA,	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO001600JXB FP	HPD1 (F)	HPD1	

	MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1163	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO003200JXBFO	HPD1 (F)	HPD1	
1164	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO006400JXBFR	HPD1 (F)	HPD1	
1165	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO000960JXBFA	HPD1 (F)	HPD1	
1166	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO001920JXBFT	HPD1 (F)	HPD1	
1167	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR,	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO003840JXBFU	HPD1 (F)	HPD1	

	MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1168	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO007680JXBGA	HPD1 (F)	HPD1	
1169	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	MO015360JXBFV	HPD1 (F)	HPD1	
1170	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	EO000400JXBEU	HPD1 (F)	HPD1	
1171	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 6.1.x86_64.rpm	EO000800JXBFL	HPD1 (F)	HPD1	
1172	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- 24384980ec-HPD1-	EO001600JXBFN	HPD1 (F)	HPD1	

	MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	6.1.x86_64.rpm				
1173	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	EO0800JEFPF	HPD3 (L)	HPD3	
1174	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	EO0400JEFPE	HPD3 (L)	HPD3	
1175	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	EO0200JEFPD	HPD3 (L)	HPD3	
1176	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	MO1600JEFPC	HPD3 (L)	HPD3	
1177	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	MO0800JEFPB	HPD3 (L)	HPD3	
1178	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	MO0400JEFPA	HPD3 (L)	HPD3	
1179	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD,	firmware-hdd- 71af849f3b-HPD3- 12.1.x86_64.rpm	MO0200JEFNV	HPD3 (L)	HPD3	

	EO0400JEFPE and EO0800JEFPF Drives					
1180	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-8.1.x86_64.rpm	MO0400JFFCF	HPD9 (H)	HPD9	
1181	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-8.1.x86_64.rpm	MO0800JFFCH	HPD9 (H)	HPD9	
1182	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-8.1.x86_64.rpm	MO1600JFFCK	HPD9 (H)	HPD9	
1183	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd-edf6dcd906-HPD9-8.1.x86_64.rpm	MO3200JFFCL	HPD9 (H)	HPD9	
1184	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-8.1.x86_64.rpm	VK000960JWSSQ	HPD8 (H)	HPD8	
1185	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-8.1.x86_64.rpm	VK001920JWSSR	HPD8 (H)	HPD8	
1186	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-8.1.x86_64.rpm	VK003840JWSST	HPD8 (H)	HPD8	
1187	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-8.1.x86_64.rpm	VK007680JWSSU	HPD8 (H)	HPD8	
1188	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-8.1.x86_64.rpm	VO015300JWSSV	HPD8 (H)	HPD8	
1189	Online HDD/SSD Flash Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	firmware-hdd-8a7ecf7465-HPD4-5.1.x86_64.rpm	VK0400JEABD	HPD4 (E)	HPD4	
1190	Online HDD/SSD Flash	firmware-hdd-	VK0800JEABE	HPD4 (E)	HPD4	

	Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	8a7ecf7465-HPD4-5.1.x86_64.rpm				
1191	Online HDD/SSD Flash Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	firmware-hdd-8a7ecf7465-HPD4-5.1.x86_64.rpm	VO1600JEABF	HPD4 (E)	HPD4	
1192	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-2.1.x86_64.rpm	VO000800JWZJP	HPD5 (B)	HPD5	
1193	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-2.1.x86_64.rpm	VO001600JWZJQ	HPD5 (B)	HPD5	
1194	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-2.1.x86_64.rpm	VO003200JWZJR	HPD5 (B)	HPD5	
1195	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-2.1.x86_64.rpm	VO006400JWZJT	HPD5 (B)	HPD5	
1196	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	VO000960JWTBK	HPDB	HPDB	更新
1197	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	VO001920JWTBL	HPDB	HPDB	更新
1198	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ,	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	VO003840JWTBN	HPDB	HPDB	更新

	MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives					
1199	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	VO007680JWBTR	HPDB	HPDB	更新
1200	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	MO000400JWBTR	HPDB	HPDB	更新
1201	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	MO000800JWBTR	HPDB	HPDB	更新
1202	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	MO001600JWBTR	HPDB	HPDB	更新
1203	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBTK,	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	MO003200JWBTR	HPDB	HPDB	更新

	VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives					
1204	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd- 9ad359dac1-HPDB- 1.1.x86_64.rpm	MO006400JWTLCD	HPDB	HPDB	更新
1205	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd- 9ad359dac1-HPDB- 1.1.x86_64.rpm	EO000400JWTLBV	HPDB	HPDB	更新
1206	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	firmware-hdd- 9ad359dac1-HPDB- 1.1.x86_64.rpm	EO000800JWTLCA	HPDB	HPDB	更新
1207	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTLBK, VO001920JWTL, VO003840JWTLBN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and	firmware-hdd- 9ad359dac1-HPDB- 1.1.x86_64.rpm	EO001600JWTLCB	HPDB	HPDB	更新

	EO001600JWTCB Drives					
1208	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	EO003200JWTC	HPDB	HPDB	更新
1209	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-1.1.x86_64.rpm	MO001920JWWV	HPDB	HPDB	更新
1210	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-2.1.x86_64.rpm	VO000960JWZJF	HPD5 (B)	HPD5	
1211	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-2.1.x86_64.rpm	VO001920JWZJH	HPD5 (B)	HPD5	
1212	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-2.1.x86_64.rpm	VO003840JWZJK	HPD5 (B)	HPD5	
1213	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-2.1.x86_64.rpm	VO007680JWZJL	HPD5 (B)	HPD5	
1214	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-2.1.x86_64.rpm	VO015360JWZJN	HPD5 (B)	HPD5	
1215	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-8fac9efb2-HPD8-	VO000960RWUEV	HPD8	HPD8	更新

	VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	1.1.x86_64.rpm				
1216	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO001920RWUFA	HPD8	HPD8	更新
1217	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO003840RWUFB	HPD8	HPD8	更新
1218	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO007680RWUFC	HPD8	HPD8	更新
1219	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO000960RWUFD	HPD8	HPD8	更新
1220	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO001920RWUFE	HPD8	HPD8	更新
1221	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd- 8f9fc9efb2-HPD8- 1.1.x86_64.rpm	VO003840RWUFF	HPD8	HPD8	更新
1222	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and	firmware-hdd- 8f501d6cf1-HPD2- 6.1.x86_64.rpm	VO003840XZCLT	HPD2 (F)	HPD2	

	MO001600XZCLV Drives					
1223	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD2-6.1.x86_64.rpm	VO007680XZCMB	HPD2 (F)	HPD2	
1224	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD2-6.1.x86_64.rpm	MO000800XZCLQ	HPD2 (F)	HPD2	
1225	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD2-6.1.x86_64.rpm	MO001600XZCLV	HPD2 (F)	HPD2	
1226	Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives	firmware-hdd-4c048aaeb0-HPD8-7.1.x86_64.rpm	VO007680JWCNK	HPD8 (G)	HPD8	
1227	Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives	firmware-hdd-4c048aaeb0-HPD8-7.1.x86_64.rpm	VO015300JWCNL	HPD8 (G)	HPD8	
1228	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-8.1.x86_64.rpm	VO0480JFDGT	HPD9 (H)	HPD9	
1229	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-8.1.x86_64.rpm	VO0960JFDGU	HPD9 (H)	HPD9	
1230	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-8.1.x86_64.rpm	VO1920JFDGV	HPD9 (H)	HPD9	
1231	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-8.1.x86_64.rpm	VO3840JFDHA	HPD9 (H)	HPD9	
1232	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP055258.zip	EG000300JWBHR	HPD5 (D)	HPD5	
1233	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP055257.zip	EG000300JWFVB	HPD3 (D)	HPD3	
1234	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP055412.zip	EG000600JWJNH	HPD5 (C)	HPD5	
1235	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and	CP055412.zip	EG001200JWJNK	HPD5 (C)	HPD5	

	EG001200JWJNK Drives					
1236	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP055412.zip	EG000300JWSJP	HPD5 (C)	HPD5	
1237	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000600JWEBH	HPD5 (D)	HPD5	
1238	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000300JWEBF	HPD5 (D)	HPD5	
1239	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP055259.zip	EG000600JWFUV	HPD4 (D)	HPD4	
1240	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP055259.zip	EG001200JWFVA	HPD4 (D)	HPD4	
1241	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JWJNP	HPD8	HPD8	
1242	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200JWJNQ	HPD8	HPD8	
1243	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200MXJQU	HPD8	HPD8	
1244	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JXLVV	HPD8	HPD8	
1245	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200JXLWA	HPD8	HPD8	
1246	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP055260.zip	EG001800JWFVC	HPD4 (D)	HPD4	
1247	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP055411.zip	EG001800JWJNL	HPD5 (C)	HPD5	
1248	Online HDD/SSD Flash Component for VMware ESXi	CP055411.zip	EG002400JWJNN	HPD5 (C)	HPD5	

	- EG001800JWJNL and EG002400JWJNN Drives					
1249	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG001800JWJNR	HPDA (B)	HPDA	
1250	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400JWJNT	HPDA (B)	HPDA	
1251	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400MXJQT	HPDA (B)	HPDA	
1252	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG001800JXLWB	HPDA (B)	HPDA	
1253	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400JXLWC	HPDA (B)	HPDA	
1254	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG0600JETKA	HPD8 (D)	HPD8	
1255	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG0900JETKB	HPD8 (D)	HPD8	
1256	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG1200JETKC	HPD8 (D)	HPD8	
1257	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive	CP055268.zip	EG1800JEHMD	HPD6 (L)	HPD6	
1258	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP055266.zip	EG1800JFHMH	HPD8 (D)	HPD8	
1259	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JWCPK	HPD9	HPD9	
1260	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JWCPL	HPD9	HPD9	
1261	Online HDD/SSD Flash	CP053495.zip	EH000900JWCPN	HPD9	HPD9	

	Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives					
1262	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000900JXLVU	HPD9	HPD9	
1263	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JXLVR	HPD9	HPD9	
1264	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JXLVT	HPD9	HPD9	
1265	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP057698.zip	EH000900JWCPH	HPDC	HPDC	
1266	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP057698.zip	EH000600JWCPF	HPDC	HPDC	
1267	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP054157.zip	EH000900JWHPK	HPD8	HPD8	
1268	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP054157.zip	EH000600JWHPH	HPD8	HPD8	
1269	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP054146.zip	EH000900JWHPP	HPD8	HPD8	
1270	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP054146.zip	EH000600JWHPN	HPD8	HPD8	
1271	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP054146.zip	EH000300JWHPL	HPD8	HPD8	
1272	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0300JDYTH	HPD6 (L)	HPD6	
1273	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0450JDYTK	HPD6 (L)	HPD6	
1274	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0600JDYTL	HPD6 (L)	HPD6	
1275	Online HDD/SSD Flash	CP059326.zip	EH0600JDYTN	HPD7 (K)	HPD7	

	Component for VMware ESXi - EH0600JDYTN Drive					
1276	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP059318.zip	EK0800JVYPN	HPD7 (G)	HPD7	
1277	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP059318.zip	EO1600JVYPP	HPD7 (G)	HPD7	
1278	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP059318.zip	MK0800JVYPQ	HPD7 (G)	HPD7	
1279	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP059318.zip	MO1600JVYPR	HPD7 (G)	HPD7	
1280	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	EO000400JWDKP	HPD2 (H)	HPD2	
1281	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	EO000800JWDKQ	HPD2 (H)	HPD2	
1282	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	EO001600JWDKR	HPD2 (H)	HPD2	
1283	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO000400JWDK U	HPD2 (H)	HPD2	
1284	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and	CP055421.zip	MO000800JWDK V	HPD2 (H)	HPD2	

	MO003200JWDLB Drives					
1285	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO001600JWDLA	HPD2 (H)	HPD2	
1286	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO003200JWDLB	HPD2 (H)	HPD2	
1287	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053487.zip	EO000400PXDQB	HPD3 (D)	HPD3	
1288	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053487.zip	EO000800PXDCK	HPD3 (D)	HPD3	
1289	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP053487.zip	EO001600PXDCH	HPD3 (D)	HPD3	
1290	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH,	CP053487.zip	MO000800PXDDB	HPD3 (D)	HPD3	

	MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1291	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	MO001600PXDCC	HPD3 (D)	HPD3	
1292	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	MO003200PXDCC	HPD3 (D)	HPD3	
1293	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	MO006400PXDCE	HPD3 (D)	HPD3	
1294	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	VO000960PXDBN	HPD3 (D)	HPD3	
1295	Online HDD/SSD Flash	CP053487.zip	VO001920PXDBR	HPD3 (D)	HPD3	

	Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1296	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	VO003840PXDBT	HPD3 (D)	HPD3	
1297	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	VO007680PXDBU	HPD3 (D)	HPD3	
1298	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053487.zip	VO015300PXDBV	HPD3 (D)	HPD3	
1299	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB002000JWFVN	HPD4 (D)	HPD4	
1300	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB004000JWFVP	HPD4 (D)	HPD4	
1301	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and	CP053349.zip	MB002000JYDNE	HPD2 (D)	HPD2	

	MB004000JYDPB Drives					
1302	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP053349.zip	MB004000JYDPB	HPD2 (D)	HPD2	
1303	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFKV and MB006000JWFLV Drives	CP055302.zip	MB004000JWFKV	HPD4 (D)	HPD4	
1304	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFKV and MB006000JWFLV Drives	CP055302.zip	MB006000JWFLV	HPD4 (D)	HPD4	
1305	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP055303.zip	MB004000JWKGU	HPD2 (D)	HPD2	
1306	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB004000JWWQB	HPD8	HPD8	
1307	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB002000JWWQA	HPD8	HPD8	
1308	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP055305.zip	MB006000JWKGN	HPD2 (D)	HPD2	
1309	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP053344.zip	MB006000JYDNF	HPD2 (D)	HPD2	
1310	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP053344.zip	MB008000JYDPC	HPD2 (D)	HPD2	
1311	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP059320.zip	MB008000JWJRQ	HPD9 (E)	HPD9	
1312	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP059320.zip	MB006000JWJRP	HPD9 (E)	HPD9	
1313	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP053398.zip	MB008000JWRTD	HPD2 (D)	HPD2	
1314	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP053890.zip	MB008000JWWQP	HPD8	HPD8	
1315	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP053890.zip	MB006000JWWQN	HPD8	HPD8	
1316	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB010000GWZGT	HPG1 (C)	HPG1	
1317	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB012000GWZGU	HPG1 (C)	HPG1	

1318	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB014000GWZGV	HPG1 (C)	HPG1	
1319	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB016000GWZHD	HPG1 (C)	HPG1	
1320	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP055307.zip	MB010000JWAYK	HPD6 (D)	HPD6	
1321	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP055307.zip	MB008000JWAYH	HPD6 (D)	HPD6	
1322	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB010000JWZHA	HPD4	HPD4	
1323	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB012000JWZHB	HPD4	HPD4	
1324	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB014000JWZHC	HPD4	HPD4	
1325	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB016000JWZHE	HPD4	HPD4	
1326	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP059882.zip	MB010000JYDKK	HPD3	HPD3	更新
1327	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP059882.zip	MB012000JYCJF	HPD3	HPD3	更新
1328	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP059882.zip	MB014000JYCJV	HPD3	HPD3	更新
1329	Online HDD/SSD Flash	CP059882.zip	MB016000JYDKL	HPD3	HPD3	更新

	Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives					
1330	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP059882.zip	MB018000JYDKN	HPD3	HPD3	更新
1331	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP053422.zip	MB012000JWDFD	HPD3 (D)	HPD3	
1332	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP059705.zip	MB012000JZYVN	HPD4	HPD4	更新
1333	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP059705.zip	MB014000JZYVP	HPD4	HPD4	更新
1334	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP059705.zip	MB016000JZYVQ	HPD4	HPD4	更新
1335	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP059705.zip	MB018000JYCLK	HPD4	HPD4	更新
1336	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP059321.zip	MB014000JWTFD	HPD8 (E)	HPD8	
1337	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP059321.zip	MB012000JWTFD	HPD8 (E)	HPD8	
1338	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP053406.zip	MB014000JWUDB	HPD3 (D)	HPD3	
1339	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP058339.zip	MB014000JXUCC	HPD4	HPD4	新規追加
1340	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP053443.zip	MB016000JWXKH	HPDA	HPDA	
1341	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP058357.zip	MB016000JXLBA	HPD3	HPD3	更新
1342	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP058357.zip	MB018000JXLAU	HPD3	HPD3	更新
1343	Online HDD/SSD Flash	CP059876.zip	MB020000JXMTP	HPD2	HPD2	更新

	Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives					
1344	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP059876.zip	MB018000JXMTH	HPD2	HPD2	更新
1345	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB1000JVYZL	HPD3 (H)	HPD3	
1346	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB2000JVYZN	HPD3 (H)	HPD3	
1347	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB3000JVYZP	HPD3 (H)	HPD3	
1348	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB4000JVYZQ	HPD3 (H)	HPD3	
1349	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP055315.zip	MB2000JFDSL	HPD4 (K)	HPD4	
1350	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP055315.zip	MB4000JFDSN	HPD4 (K)	HPD4	
1351	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP059317.zip	MB2000JFEML	HPD6 (L)	HPD6	
1352	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP059317.zip	MB4000JFEMN	HPD6 (L)	HPD6	
1353	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP055321.zip	MB4000JEQNL	HPDB (K)	HPDB	
1354	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP055321.zip	MB6000JEQNN	HPDB (K)	HPDB	
1355	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP055329.zip	MB6000JVYZD	HPD4 (I)	HPD4	
1356	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP055329.zip	MB4000JVYZC	HPD4 (I)	HPD4	
1357	Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive	CP055331.zip	MB8000JFECQ	HPD7 (J)	HPD7	
1358	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP053417.zip	MM1000JEFRB	HPDA (C)	HPDA	

1359	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRB Drives	CP053417.zip	MM2000JEFRB	HPDA (C)	HPDA	
1360	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP053419.zip	MM1000JFJTH	HPD5 (C)	HPD5	
1361	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000400JWFVN	HPD5 (H)	HPD5	
1362	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000800JWFVP	HPD5 (H)	HPD5	
1363	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO001600JWFVQ	HPD5 (H)	HPD5	
1364	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO003200JWFVR	HPD5 (H)	HPD5	
1365	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000960JWFVT	HPD5 (H)	HPD5	
1366	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO001920JWFVU	HPD5 (H)	HPD5	
1367	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ,	CP055339.zip	MO003840JWFVV	HPD5 (H)	HPD5	

	MO003200JWFWR, MO000960JWFWT, MO001920JWFU and MO003840JFWV Drives					
1368	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO000800JXBEV	HPD1 (D)	HPD1	
1369	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO001600JXBFP	HPD1 (D)	HPD1	
1370	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO003200JXBFO	HPD1 (D)	HPD1	
1371	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO006400JXBFR	HPD1 (D)	HPD1	
1372	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR,	CP055405.zip	MO000960JXBFA	HPD1 (D)	HPD1	

	MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1373	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO001920JXBFT	HPD1 (D)	HPD1	
1374	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO003840JXBFU	HPD1 (D)	HPD1	
1375	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO007680JXBGA	HPD1 (D)	HPD1	
1376	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP055405.zip	MO015360JXBFV	HPD1 (D)	HPD1	
1377	Online HDD/SSD Flash Component for VMware ESXi	CP055405.zip	EO000400JXBEU	HPD1 (D)	HPD1	

	- MO000800JBEB, MO001600JBFB, MO003200JBFB, MO006400JBFB, MO000960JBFA, MO001920JBFT, MO003840JBFU, MO007680JBGA, MO015360JBFB, EO000400JBEB, EO000800JBFB and EO001600JBFB Drives					
1378	Online HDD/SSD Flash Component for VMware ESXi - MO000800JBEB, MO001600JBFB, MO003200JBFB, MO006400JBFB, MO000960JBFA, MO001920JBFT, MO003840JBFU, MO007680JBGA, MO015360JBFB, EO000400JBEB, EO000800JBFB and EO001600JBFB Drives	CP055405.zip	EO000800JBFB	HPD1 (D)	HPD1	
1379	Online HDD/SSD Flash Component for VMware ESXi - MO000800JBEB, MO001600JBFB, MO003200JBFB, MO006400JBFB, MO000960JBFA, MO001920JBFT, MO003840JBFU, MO007680JBGA, MO015360JBFB, EO000400JBEB, EO000800JBFB and EO001600JBFB Drives	CP055405.zip	EO001600JBFB	HPD1 (D)	HPD1	
1380	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0800JEFPF	HPD3 (K)	HPD3	
1381	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0400JEFPE	HPD3 (K)	HPD3	
1382	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0200JEFPD	HPD3 (K)	HPD3	
1383	Online HDD/SSD Flash Component for VMware ESXi	CP055341.zip	MO1600JEFPC	HPD3 (K)	HPD3	

	- MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives					
1384	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0800JEFPB	HPD3 (K)	HPD3	
1385	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0400JEFPA	HPD3 (K)	HPD3	
1386	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0200JEFNV	HPD3 (K)	HPD3	
1387	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO0400JFFCF	HPD9 (F)	HPD9	
1388	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO0800JFFCH	HPD9 (F)	HPD9	
1389	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO1600JFFCK	HPD9 (F)	HPD9	
1390	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO3200JFFCL	HPD9 (F)	HPD9	
1391	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP059331.zip	VK000960JWSSQ	HPD8 (H)	HPD8	
1392	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST,	CP059331.zip	VK001920JWSSR	HPD8 (H)	HPD8	

	VK007680JWSSU and VO015300JWSSV Drives					
1393	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP059331.zip	VK003840JWSST	HPD8 (H)	HPD8	
1394	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP059331.zip	VK007680JWSSU	HPD8 (H)	HPD8	
1395	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP059331.zip	VO015300JWSSV	HPD8 (H)	HPD8	
1396	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP059322.zip	VK0400JEABD	HPD4 (E)	HPD4	
1397	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP059322.zip	VK0800JEABE	HPD4 (E)	HPD4	
1398	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP059322.zip	VO1600JEABF	HPD4 (E)	HPD4	
1399	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO000800JWZJP	HPD5	HPD5	
1400	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO001600JWZJQ	HPD5	HPD5	
1401	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO003200JWZJR	HPD5	HPD5	
1402	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO006400JWZJT	HPD5	HPD5	
1403	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTLB,	CP059637.zip	VO000960JWTBK	HPDB	HPDB	更新

	VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives					
1404	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	VO001920JWTCB	HPDB	HPDB	更新
1405	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	VO003840JWTCB	HPDB	HPDB	更新
1406	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	VO007680JWTCB	HPDB	HPDB	更新
1407	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	MO000400JWTCB Q	HPDB	HPDB	更新

1408	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP059637.zip	MO000800JWTR	HPDB	HPDB	更新
1409	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP059637.zip	MO001600JWBT	HPDB	HPDB	更新
1410	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP059637.zip	MO003200JWBU	HPDB	HPDB	更新
1411	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives	CP059637.zip	MO006400JWTC	HPDB	HPDB	更新
1412	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU,	CP059637.zip	EO000400JWBV	HPDB	HPDB	更新

	MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives					
1413	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	EO000800JWTCB	HPDB	HPDB	更新
1414	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	EO001600JWTCB	HPDB	HPDB	更新
1415	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	EO003200JWTCB	HPDB	HPDB	更新
1416	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP059637.zip	MO001920JWTCB WV	HPDB	HPDB	更新
1417	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and	CP057758.zip	VO000960JWZJF	HPD5	HPD5	

	VO015360JWZJN Drives					
1418	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO001920JWZJH	HPD5	HPD5	
1419	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO003840JWZJK	HPD5	HPD5	
1420	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO007680JWZJL	HPD5	HPD5	
1421	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO015360JWZJN	HPD5	HPD5	
1422	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO000960RWUEV	HPD8	HPD8	更新
1423	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO001920RWUFA	HPD8	HPD8	更新
1424	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO003840RWUFB	HPD8	HPD8	更新
1425	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO007680RWUFC	HPD8	HPD8	更新
1426	Online HDD/SSD Flash	CP059640.zip	VO000960RWUFD	HPD8	HPD8	更新

	Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
1427	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO001920RWUFE	HPD8	HPD8	更新
1428	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP059640.zip	VO003840RWUFF	HPD8	HPD8	更新
1429	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP059084.zip	VO003840XZCLT	HPD2 (D)	HPD2	
1430	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP059084.zip	VO007680XZCMB	HPD2 (D)	HPD2	
1431	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP059084.zip	MO000800XZCLQ	HPD2 (D)	HPD2	
1432	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP059084.zip	MO001600XZCLV	HPD2 (D)	HPD2	
1433	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP059329.zip	VO007680JWCNK	HPD8 (H)	HPD8	
1434	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP059329.zip	VO015300JWCNL	HPD8 (H)	HPD8	
1435	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO0480JFDGT	HPD9 (F)	HPD9	
1436	Online HDD/SSD Flash Component for VMware ESXi	CP055357.zip	VO0960JFDGU	HPD9 (F)	HPD9	

	- VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives					
1437	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO1920JFDGV	HPD9 (F)	HPD9	
1438	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO3840JFDHA	HPD9 (F)	HPD9	
1439	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB014000JWRTH	HPD2 (H)	HPD2	
1440	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB012000JWRTE	HPD2 (H)	HPD2	
1441	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB010000JWRTE	HPD2 (H)	HPD2	
1442	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp052927.exe	EG000300JWBHR	HPD5 (D)	HPD5	
1443	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive	cp052926.exe	EG000300JWFVB	HPD3 (D)	HPD3	
1444	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG000300JWSJP	HPD5 (C)	HPD5	
1445	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG000600JWJNH	HPD5 (C)	HPD5	
1446	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG001200JWJNK	HPD5 (C)	HPD5	
1447	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp055205.exe	EG000600JWEBH	HPD5 (E)	HPD5	
1448	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp055205.exe	EG000300JWEBF	HPD5 (E)	HPD5	
1449	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp052928.exe	EG000600JWFUV	HPD4 (D)	HPD4	
1450	Online HDD/SSD Flash	cp052928.exe	EG001200JWFVA	HPD4 (D)	HPD4	

	Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives					
1451	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JWJNP	HPD8	HPD8	
1452	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JWJNQ	HPD8	HPD8	
1453	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200MXJQU	HPD8	HPD8	
1454	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JXLVV	HPD8	HPD8	
1455	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JXLWA	HPD8	HPD8	
1456	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp052930.exe	EG001800JWFVC	HPD4 (D)	HPD4	
1457	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp052982.exe	EG001800JWJNL	HPD5 (C)	HPD5	
1458	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp052982.exe	EG002400JWJNN	HPD5 (C)	HPD5	
1459	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JWJNR	HPDA (B)	HPDA	
1460	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JWJNT	HPDA (B)	HPDA	
1461	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR,	cp055734.exe	EG002400MXJQT	HPDA (B)	HPDA	

	EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives					
1462	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JXLWB	HPDA (B)	HPDA	
1463	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JXLWC	HPDA (B)	HPDA	
1464	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG0600JETKA	HPD8 (D)	HPD8	
1465	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG0900JETKB	HPD8 (D)	HPD8	
1466	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG1200JETKC	HPD8 (D)	HPD8	
1467	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive	cp055095.exe	EG1800JEHMD	HPD6 (J)	HPD6	
1468	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp052934.exe	EG1800JFHMH	HPD8 (D)	HPD8	
1469	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JWCPK	HPD9	HPD9	
1470	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000600JWCPL	HPD9	HPD9	
1471	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JWCPN	HPD9	HPD9	
1472	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JXLVU	HPD9	HPD9	
1473	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JXLVR	HPD9	HPD9	
1474	Online HDD/SSD Flash Component for Windows	cp055383.exe	EH000600JXLVT	HPD9	HPD9	

	(x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives					
1475	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp057699.exe	EH000900JWCPH	HPDC	HPDC	
1476	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp057699.exe	EH000600JWCPF	HPDC	HPDC	
1477	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp055197.exe	EH000900JWHPK	HPD8 (B)	HPD8	
1478	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp055197.exe	EH000600JWHPH	HPD8 (B)	HPD8	
1479	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000900JWHPP	HPD8 (B)	HPD8	
1480	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000600JWHPN	HPD8 (B)	HPD8	
1481	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000300JWHPL	HPD8 (B)	HPD8	
1482	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0300JDYTH	HPD6 (J)	HPD6	
1483	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0450JDYTK	HPD6 (J)	HPD6	
1484	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0600JDYTL	HPD6 (J)	HPD6	
1485	Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive	cp059276.exe	EH0600JDYTN	HPD7 (H)	HPD7	
1486	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp059279.exe	EK0800JVYPN	HPD7 (F)	HPD7	
1487	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp059279.exe	EO1600JVYPP	HPD7 (F)	HPD7	
1488	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ	cp059279.exe	MK0800JVYPQ	HPD7 (F)	HPD7	

	and MO1600JVYPR Drives					
1489	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp059279.exe	MO1600JVYPR	HPD7 (F)	HPD7	
1490	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO000400JWDKP	HPD2 (G)	HPD2	
1491	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO000800JWDKQ	HPD2 (G)	HPD2	
1492	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO001600JWDKR	HPD2 (G)	HPD2	
1493	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO000400JWDK U	HPD2 (G)	HPD2	
1494	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO000800JWDK V	HPD2 (G)	HPD2	
1495	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO001600JWDLA	HPD2 (G)	HPD2	
1496	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU,	cp055115.exe	MO003200JWDLB	HPD2 (G)	HPD2	

	MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
1497	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	EO000400PXDBQ	HPD3 (D)	HPD3	
1498	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	EO000800PXDCK	HPD3 (D)	HPD3	
1499	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	EO001600PXDCH	HPD3 (D)	HPD3	
1500	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	MO000800PXDBP	HPD3 (D)	HPD3	
1501	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC,	cp059285.exe	MO001600PXDCC	HPD3 (D)	HPD3	

	MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1502	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	MO003200PXDCD	HPD3 (D)	HPD3	
1503	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	MO006400PXDCE	HPD3 (D)	HPD3	
1504	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	VO000960PXDBN	HPD3 (D)	HPD3	
1505	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp059285.exe	VO001920PXDBR	HPD3 (D)	HPD3	
1506	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ,	cp059285.exe	VO003840PXDBT	HPD3 (D)	HPD3	

	EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives					
1507	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp059285.exe	VO007680PXDDBU	HPD3 (D)	HPD3	
1508	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp059285.exe	VO015300PXDDBV	HPD3 (D)	HPD3	
1509	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp055135.exe	MB002000JWFVN	HPD4 (E)	HPD4	
1510	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp055135.exe	MB004000JWFVP	HPD4 (E)	HPD4	
1511	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp059288.exe	MB002000JYDNE	HPD2 (D)	HPD2	
1512	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp059288.exe	MB004000JYDPB	HPD2 (D)	HPD2	
1513	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFKV and MB006000JWFLV Drives	cp052939.exe	MB004000JWFKV	HPD4 (D)	HPD4	
1514	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFKV and MB006000JWFLV Drives	cp052939.exe	MB006000JWFLV	HPD4 (D)	HPD4	
1515	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU	cp052940.exe	MB004000JWKGU	HPD2 (D)	HPD2	

	Drive					
1516	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp055209.exe	MB004000JWWQ B	HPD8 (B)	HPD8	
1517	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp055209.exe	MB002000JWWQ A	HPD8 (B)	HPD8	
1518	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp052943.exe	MB006000JWKGN	HPD2 (D)	HPD2	
1519	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp059287.exe	MB006000JYDNF	HPD2 (D)	HPD2	
1520	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp059287.exe	MB008000JYDPC	HPD2 (D)	HPD2	
1521	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp059328.exe	MB008000JWJRQ	HPD9 (E)	HPD9	
1522	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp059328.exe	MB006000JWJRP	HPD9 (E)	HPD9	
1523	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive	cp055148.exe	MB008000JWRTD	HPD2 (E)	HPD2	
1524	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp055208.exe	MB008000JWWQ P	HPD8 (B)	HPD8	
1525	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp055208.exe	MB006000JWWQ N	HPD8 (B)	HPD8	
1526	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB010000GWZG T	HPG1 (B)	HPG1	
1527	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB012000GWZG U	HPG1 (B)	HPG1	
1528	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB014000GWZG V	HPG1 (B)	HPG1	
1529	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT,	cp052803.exe	MB016000GWZH D	HPG1 (B)	HPG1	

	MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives					
1530	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp055149.exe	MB010000JWAYK	HPD6 (D)	HPD6	
1531	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp055149.exe	MB008000JWAYH	HPD6 (D)	HPD6	
1532	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB010000JWZHA	HPD4 (B)	HPD4	
1533	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB012000JWZHB	HPD4 (B)	HPD4	
1534	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB014000JWZHC	HPD4 (B)	HPD4	
1535	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB016000JWZHE	HPD4 (B)	HPD4	
1536	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp059883.exe	MB010000JYDKK	HPD3	HPD3	更新
1537	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp059883.exe	MB012000JYCJF	HPD3	HPD3	更新
1538	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp059883.exe	MB014000JYCJV	HPD3	HPD3	更新
1539	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp059883.exe	MB016000JYDKL	HPD3	HPD3	更新
1540	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK,	cp059883.exe	MB018000JYDKN	HPD3	HPD3	更新

	MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives					
1541	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp055174.exe	MB012000JWDFD	HPD3 (E)	HPD3	
1542	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp059707.exe	MB012000JZYVN	HPD4	HPD4	更新
1543	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp059707.exe	MB014000JZYVP	HPD4	HPD4	更新
1544	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp059707.exe	MB016000JZYVQ	HPD4	HPD4	更新
1545	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp059707.exe	MB018000JYCLK	HPD4	HPD4	更新
1546	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB014000JWRTH	HPD2 (G)	HPD2	
1547	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB012000JWRTF	HPD2 (G)	HPD2	
1548	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB010000JWRTE	HPD2 (G)	HPD2	
1549	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp059330.exe	MB014000JWTFD	HPD8 (E)	HPD8	
1550	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp059330.exe	MB012000JWTFC	HPD8 (E)	HPD8	
1551	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp055168.exe	MB014000JWUDB	HPD3 (E)	HPD3	
1552	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp058340.exe	MB014000JXUCC	HPD4	HPD4	新規追加
1553	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp055195.exe	MB016000JWXKH	HPDA	HPDA	

1554	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp058358.exe	MB016000JXLBA	HPD3	HPD3	更新
1555	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp058358.exe	MB018000JXLAU	HPD3	HPD3	更新
1556	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp059877.exe	MB020000JXMTP	HPD2	HPD2	更新
1557	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp059877.exe	MB018000JXMTH	HPD2	HPD2	更新
1558	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB1000JVYZL	HPD3 (G)	HPD3	
1559	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB2000JVYZN	HPD3 (G)	HPD3	
1560	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB3000JVYZP	HPD3 (G)	HPD3	
1561	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB4000JVYZQ	HPD3 (G)	HPD3	
1562	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp052952.exe	MB2000JFDSL	HPD4 (I)	HPD4	
1563	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp052952.exe	MB4000JFDSN	HPD4 (I)	HPD4	
1564	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp059277.exe	MB2000JFEML	HPD6 (I)	HPD6	
1565	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp059277.exe	MB4000JFEMN	HPD6 (I)	HPD6	
1566	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp055159.exe	MB4000JEQNL	HPDB (I)	HPDB	
1567	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp055159.exe	MB6000JEQNN	HPDB (I)	HPDB	
1568	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp055164.exe	MB6000JVYZD	HPD4 (G)	HPD4	
1569	Online HDD/SSD Flash Component for Windows	cp055164.exe	MB4000JVYZC	HPD4 (G)	HPD4	

	(x64) - MB6000JVYZD and MB4000JVYZC Drives					
1570	Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive	cp055166.exe	MB8000JFECQ	HPD7 (H)	HPD7	
1571	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp059273.exe	MM1000JEFRB	HPDA (C)	HPDA	
1572	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp059273.exe	MM2000JEFRC	HPDA (C)	HPDA	
1573	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp059286.exe	MM1000JFJTH	HPD5 (C)	HPD5	
1574	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO000400JWFVN	HPD5 (G)	HPD5	
1575	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO000800JWFVP	HPD5 (G)	HPD5	
1576	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO001600JWFVQ	HPD5 (G)	HPD5	
1577	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO003200JWFVR	HPD5 (G)	HPD5	
1578	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO000960JWFVT	HPD5 (G)	HPD5	
1579	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ,	cp055170.exe	MO001920JWFVU	HPD5 (G)	HPD5	

	MO003200JWFWR, MO000960JWFWT, MO001920JFWFU and MO003840JFWV Drives					
1580	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFWR, MO000960JWFWT, MO001920JFWFU and MO003840JFWV Drives	cp055170.exe	MO003840JFWV V	HPD5 (G)	HPD5	
1581	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO000800JXBVEV	HPD1 (D)	HPD1	
1582	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO001600JXBFP	HPD1 (D)	HPD1	
1583	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO003200JXBFO	HPD1 (D)	HPD1	
1584	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV,	cp055200.exe	MO006400JXBFR	HPD1 (D)	HPD1	

	EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1585	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO000960JXBFA	HPD1 (D)	HPD1	
1586	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO001920JXBFT	HPD1 (D)	HPD1	
1587	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO003840JXBFU	HPD1 (D)	HPD1	
1588	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO007680JXBGA	HPD1 (D)	HPD1	
1589	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA,	cp055200.exe	MO015360JXBFV	HPD1 (D)	HPD1	

	MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1590	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	EO000400JXBEU	HPD1 (D)	HPD1	
1591	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	EO000800JXBFL	HPD1 (D)	HPD1	
1592	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	EO001600JXBFN	HPD1 (D)	HPD1	
1593	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	EO0800JEFPF	HPD3 (I)	HPD3	
1594	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	EO0400JEFPE	HPD3 (I)	HPD3	
1595	Online HDD/SSD Flash	cp055172.exe	EO0200JEFPD	HPD3 (I)	HPD3	

	Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives					
1596	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	MO1600JEFPC	HPD3 (I)	HPD3	
1597	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	MO0800JEFPB	HPD3 (I)	HPD3	
1598	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	MO0400JEFPA	HPD3 (I)	HPD3	
1599	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp055172.exe	MO0200JEFNV	HPD3 (I)	HPD3	
1600	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO0400JFFCF	HPD9 (F)	HPD9	
1601	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO0800JFFCH	HPD9 (F)	HPD9	
1602	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO1600JFFCK	HPD9 (F)	HPD9	
1603	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO3200JFFCL	HPD9 (F)	HPD9	
1604	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ,	cp059282.exe	VK000960JWSSQ	HPD8 (F)	HPD8	

	VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives					
1605	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp059282.exe	VK001920JWSSR	HPD8 (F)	HPD8	
1606	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp059282.exe	VK003840JWSST	HPD8 (F)	HPD8	
1607	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp059282.exe	VK007680JWSSU	HPD8 (F)	HPD8	
1608	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp059282.exe	VO015300JWSSV	HPD8 (F)	HPD8	
1609	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp059283.exe	VK0400JEABD	HPD4 (D)	HPD4	
1610	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp059283.exe	VK0800JEABE	HPD4 (D)	HPD4	
1611	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp059283.exe	VO1600JEABF	HPD4 (D)	HPD4	
1612	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO000800JWZJP	HPD5	HPD5	
1613	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO001600JWZJQ	HPD5	HPD5	
1614	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO003200JWZJR	HPD5	HPD5	
1615	Online HDD/SSD Flash	cp057766.exe	VO006400JWZJT	HPD5	HPD5	

	Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives					
1616	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	cp059638.exe	VO000960JWTBK	HPDB	HPDB	更新
1617	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	cp059638.exe	VO001920JWTBL	HPDB	HPDB	更新
1618	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	cp059638.exe	VO003840JWTBN	HPDB	HPDB	更新
1619	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTCB and EO001600JWTCB Drives	cp059638.exe	VO007680JWTBP	HPDB	HPDB	更新
1620	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN,	cp059638.exe	MO000400JWTBQ	HPDB	HPDB	更新

	VO007680JWTPB, MO000400JWTBQ, MO000800JWTRB, MO001600JWTRB, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives					
1621	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRB, VO001920JWTRB, VO003840JWTRB, VO007680JWTRB, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRB, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp059638.exe	MO000800JWTRB	HPDB	HPDB	更新
1622	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRB, VO001920JWTRB, VO003840JWTRB, VO007680JWTRB, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRB, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp059638.exe	MO001600JWTRB	HPDB	HPDB	更新
1623	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRB, VO001920JWTRB, VO003840JWTRB, VO007680JWTRB, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRB, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp059638.exe	MO003200JWTRU	HPDB	HPDB	更新
1624	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTRB, VO001920JWTRB, VO003840JWTRB, VO007680JWTRB, MO000400JWTRQ, MO000800JWTRB, MO001600JWTRB, MO003200JWTRU, MO006400JWTRD, EO000400JWTRV, EO000800JWTRC and EO001600JWTRB Drives	cp059638.exe	MO006400JWTRD	HPDB	HPDB	更新
1625	Online HDD/SSD Flash	cp059638.exe	EO000400JWTRV	HPDB	HPDB	更新

	Component for Windows (x64) - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK and EO001600JWBK Drives					
1626	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK and EO001600JWBK Drives	cp059638.exe	EO000800JWBK	HPDB	HPDB	更新
1627	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK and EO001600JWBK Drives	cp059638.exe	EO001600JWBK	HPDB	HPDB	更新
1628	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK and EO001600JWBK Drives	cp059638.exe	EO003200JWBK	HPDB	HPDB	更新
1629	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK,	cp059638.exe	MO001920JWBK WV	HPDB	HPDB	更新

	EO000400JWTVB, EO000800JWTCB and EO001600JWTCB Drives					
1630	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO000960JWZJF	HPD5	HPD5	
1631	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO001920JWZJH	HPD5	HPD5	
1632	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO003840JWZJK	HPD5	HPD5	
1633	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO007680JWZJL	HPD5	HPD5	
1634	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp057760.exe	VO015360JWZJN	HPD5	HPD5	
1635	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO000960RWUEV	HPD8	HPD8	更新
1636	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO001920RWUFA	HPD8	HPD8	更新
1637	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO003840RWUFB	HPD8	HPD8	更新
1638	Online HDD/SSD Flash	cp059641.exe	VO007680RWUFC	HPD8	HPD8	更新

	Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
1639	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO000960RWUFD	HPD8	HPD8	更新
1640	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO001920RWUFE	HPD8	HPD8	更新
1641	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp059641.exe	VO003840RWUFF	HPD8	HPD8	更新
1642	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp059085.exe	VO003840XZCLT	HPD2 (D)	HPD2	
1643	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp059085.exe	VO007680XZCMB	HPD2 (D)	HPD2	
1644	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp059085.exe	MO000800XZCLQ	HPD2 (D)	HPD2	
1645	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp059085.exe	MO001600XZCLV	HPD2 (D)	HPD2	
1646	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp059278.exe	VO007680JWCNK	HPD8 (F)	HPD8	
1647	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and	cp059278.exe	VO015300JWCNL	HPD8 (F)	HPD8	

	VO015300JWCNL Drives					
1648	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO0480JFDGT	HPD9 (F)	HPD9	
1649	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO0960JFDGU	HPD9 (F)	HPD9	
1650	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO1920JFDGV	HPD9 (F)	HPD9	
1651	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO3840JFDHA	HPD9 (F)	HPD9	
1652	Universal Firmware Package for Drives - MB020000JXMVU	WDC_ParisD_WparisdA SFD1.fwpkg	WDC-ParisD-SAS	HPD1	HPD1	新規追加
1653	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNG BHPESD5.fwpkg	Seagate-LangeBP-SAS	HPD5	HPD5	新規追加
1654	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOO PRHPESD3.fwpkg	Seagate-Cooper-SAS	HPD3	HPD3	新規追加
1655	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTR and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	Kioxia-PM7-SAS	HPD2	HPD2	新規追加
1656	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	Samsung-PM165X-SAS	HPD3	HPD3	新規追加
1657	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	Samsung-PM165X-SAS	HPD3	HPD3	新規追加
1658	Universal Firmware Package for Drives - VO000960RZWUP,	Kioxia_RM6_KARM6ALS HPD1.fwpkg	Kioxia-RM6-SAS	HPD1	HPD1	新規追加

	VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU					
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6.2.15 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1659	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-11.1.x86_64.rpm	EK000200GWEPD	HPG3 (K)	HPG3	
1660	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-11.1.x86_64.rpm	EK000400GWEPE	HPG3 (K)	HPG3	
1661	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-11.1.x86_64.rpm	EK000800GWEPF	HPG3 (K)	HPG3	
1662	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-11.1.x86_64.rpm	EK001600GWEPH	HPG3 (K)	HPG3	
1663	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-10.1.x86_64.rpm	MB001000GWCBC	HPG6 (J)	HPG6	
1664	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-10.1.x86_64.rpm	MB002000GWCBC	HPG6 (J)	HPG6	
1665	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GWFVL Drives	firmware-hdd-bfc4af697b-HPG6-10.1.x86_64.rpm	MB001000GWFVK	HPG6 (J)	HPG6	
1666	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GWFVL Drives	firmware-hdd-bfc4af697b-HPG6-10.1.x86_64.rpm	MB002000GWFVK	HPG6 (J)	HPG6	
1667	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-11.1.x86_64.rpm	MB001000GWJAN	HPG1 (K)	HPG1	
1668	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-11.1.x86_64.rpm	MB002000GWFVA	HPG1 (K)	HPG1	
1669	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-11.1.x86_64.rpm	MB004000GWFVB	HPG1 (K)	HPG1	

1670	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-10.1.x86_64.rpm	MB004000GWKGV	HPG1 (J)	HPG1	
1671	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-2.1.x86_64.rpm	MB004000GWWQH	HPG6 (B)	HPG6	更新
1672	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-2.1.x86_64.rpm	MB002000GWWQF	HPG6 (B)	HPG6	更新
1673	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-2.1.x86_64.rpm	MB001000GWWQE	HPG6 (B)	HPG6	更新
1674	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBLY Drives	firmware-hdd-a1fd19f9ca-HPG8-10.1.x86_64.rpm	MB006000GWBXQ	HPG8 (J)	HPG8	
1675	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBLY Drives	firmware-hdd-a1fd19f9ca-HPG8-10.1.x86_64.rpm	MB008000GWBLY	HPG8 (J)	HPG8	
1676	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-3.1.x86_64.rpm	MB006000GWJRR	HPG6 (C)	HPG6	
1677	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-3.1.x86_64.rpm	MB008000GWJRT	HPG6 (C)	HPG6	
1678	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-10.1.x86_64.rpm	MB006000GWKGR	HPG1 (J)	HPG1	
1679	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive	firmware-hdd-82894b9e0a-HPG1-10.1.x86_64.rpm	MB008000GWRTC	HPG1 (J)	HPG1	
1680	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-2.1.x86_64.rpm	MB008000GWWQU	HPG8 (B)	HPG8	更新
1681	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-2.1.x86_64.rpm	MB006000GWWQT	HPG8 (B)	HPG8	更新
1682	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-10.1.x86_64.rpm	MB010000GWAYN	HPG5 (J)	HPG5	
1683	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-10.1.x86_64.rpm	MB008000GWAYL	HPG5 (J)	HPG5	
1684	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-3.1.x86_64.rpm	MB010000GWZGT	HPG1 (C)	HPG1	
1685	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU,	firmware-hdd-7a1edae8e7-HPG1-3.1.x86_64.rpm	MB012000GWZGU	HPG1 (C)	HPG1	

	MB014000GWZGV and MB016000GWZHD Drives					
1686	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-3.1.x86_64.rpm	MB014000GWZGV	HPG1 (C)	HPG1	
1687	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-3.1.x86_64.rpm	MB016000GWZHD	HPG1 (C)	HPG1	
1688	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-1.1.x86_64.rpm	MB010000GYDKP	HPG2	HPG2	更新
1689	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-1.1.x86_64.rpm	MB012000GYCJL	HPG2	HPG2	更新
1690	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-1.1.x86_64.rpm	MB014000GYCJT	HPG2	HPG2	更新
1691	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-1.1.x86_64.rpm	MB016000GYDKQ	HPG2	HPG2	更新
1692	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-1.1.x86_64.rpm	MB018000GYDKR	HPG2	HPG2	更新
1693	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG3-7.1.x86_64.rpm	MB012000GWDFE	HPG3 (G)	HPG3	
1694	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-3.1.x86_64.rpm	MB012000GWTFE	HPG8 (C)	HPG8	
1695	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-3.1.x86_64.rpm	MB014000GWTFE	HPG8 (C)	HPG8	
1696	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-1.1.x86_64.rpm	MB012000GZYVT	HPG4	HPG4	更新

1697	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-1.1.x86_64.rpm	MB014000GZYVU	HPG4	HPG4	更新
1698	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-1.1.x86_64.rpm	MB016000GZYVV	HPG4	HPG4	更新
1699	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-1.1.x86_64.rpm	MB018000GYCLL	HPG4	HPG4	更新
1700	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-10.1.x86_64.rpm	MB014000GWRTN	HPG2 (J)	HPG2	
1701	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-10.1.x86_64.rpm	MB012000GWRTL	HPG2 (J)	HPG2	
1702	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-10.1.x86_64.rpm	MB010000GWRTK	HPG2 (J)	HPG2	
1703	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG2-10.1.x86_64.rpm	MB014000GWUDA	HPG2 (J)	HPG2	
1704	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-2.1.x86_64.rpm	MB016000GWXKK	HPG4 (B)	HPG4	
1705	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-1.1.x86_64.rpm	MB018000GXMTK	HPG2	HPG2	更新
1706	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-1.1.x86_64.rpm	MB020000GXMTQ	HPG2	HPG2	更新
1707	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-14.1.x86_64.rpm	MB1000GDUNU	HPG4 (N)	HPG4	
1708	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-14.1.x86_64.rpm	MB2000GDUNV	HPG4 (N)	HPG4	
1709	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-14.1.x86_64.rpm	MB3000GDUPA	HPG4 (N)	HPG4	
1710	Online HDD/SSD Flash	firmware-hdd-	MB4000GDUPB	HPG4 (N)	HPG4	

	Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	3ab4c70e64-HPG4-14.1.x86_64.rpm				
1711	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG5-2.1.x86_64.rpm	MB1000GVYZE	HPG5 (B)	HPG5	
1712	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG5-2.1.x86_64.rpm	MB2000GVYZF	HPG5 (B)	HPG5	
1713	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG5-2.1.x86_64.rpm	MB3000GVYZH	HPG5 (B)	HPG5	
1714	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG5-2.1.x86_64.rpm	MB4000GVYZK	HPG5 (B)	HPG5	
1715	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f98-HPG6-12.1.x86_64.rpm	MB2000GFEMH	HPG6 (L)	HPG6	
1716	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f98-HPG6-12.1.x86_64.rpm	MB4000GFEMK	HPG6 (L)	HPG6	
1717	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEBTP Drive	firmware-hdd-3243fce9a0-HPG4-13.1.x86_64.rpm	MB6000GEBTP	HPG4 (M)	HPG4	
1718	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG5-2.1.x86_64.rpm	MB6000GVYZB	HPG5 (B)	HPG5	
1719	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG5-2.1.x86_64.rpm	MB4000GVYZA	HPG5 (B)	HPG5	
1720	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-11.1.x86_64.rpm	MK000240GWCEU	HPG3 (K)	HPG3	
1721	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-11.1.x86_64.rpm	MK000480GWCEV	HPG3 (K)	HPG3	
1722	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-11.1.x86_64.rpm	MK000960GWCFA	HPG3 (K)	HPG3	

1723	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFB and MK001920GWCFB Drives	firmware-hdd-7677644a25-HPG3-11.1.x86_64.rpm	MK001920GWCFB	HPG3 (K)	HPG3	
1724	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-8.1.x86_64.rpm	MK000480GWSSC	HPG3 (H)	HPG3	
1725	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-8.1.x86_64.rpm	MK000960GWSSD	HPG3 (H)	HPG3	
1726	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-8.1.x86_64.rpm	MK001920GWSSE	HPG3 (H)	HPG3	
1727	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-8.1.x86_64.rpm	MK003840GWSSF	HPG3 (H)	HPG3	
1728	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-2.1.x86_64.rpm	MK000480GWXFF	HPG3 (B)	HPG3	
1729	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-2.1.x86_64.rpm	MK000960GWXFH	HPG3 (B)	HPG3	
1730	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-2.1.x86_64.rpm	MK001920GWXFK	HPG3 (B)	HPG3	
1731	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-2.1.x86_64.rpm	MK003840GWXFL	HPG3 (B)	HPG3	
1732	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-2.1.x86_64.rpm	MK000480GZXRA	HPG1 (B)	HPG1	
1733	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-2.1.x86_64.rpm	MK000960GZXR	HPG1 (B)	HPG1	

1734	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-2.1.x86_64.rpm	MK001920GZXRC	HPG1 (B)	HPG1	
1735	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-2.1.x86_64.rpm	MK003840GZXRV	HPG1 (B)	HPG1	
1736	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG6-3.1.x86_64.rpm	MM1000GFJTE	HPG6 (C)	HPG6	
1737	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-3.1.x86_64.rpm	MM2000GEFRA	HPG9 (C)	HPG9	
1738	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	MR000240GWFLU	HPGG (F)	HPGG	
1739	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	MR000480GWFLV	HPGG (F)	HPGG	
1740	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	VR000480GWFMD	HPGG (F)	HPGG	
1741	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	MR000960GWFMA	HPGG (F)	HPGG	
1742	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	VR000960GWFME	HPGG (F)	HPGG	
1743	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU,	firmware-hdd-9196d4f720-HPGG-6.1.x86_64.rpm	MR001920GWFMB	HPGG (F)	HPGG	

	MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1744	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd- 9196d4f720-HPGG- 6.1.x86_64.rpm	VR001920GWFMC	HPGG (F)	HPGG	
1745	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 11.1.x86_64.rpm	VK000480GWCFE	HPG3 (K)	HPG3	
1746	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 11.1.x86_64.rpm	VK000960GWCFE	HPG3 (K)	HPG3	
1747	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 11.1.x86_64.rpm	VK000240GWCFD	HPG3 (K)	HPG3	
1748	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 11.1.x86_64.rpm	VK001920GWCFH	HPG3 (K)	HPG3	
1749	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 11.1.x86_64.rpm	VK003840GWCFK	HPG3 (K)	HPG3	
1750	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	VK000240GWEZB	HPGG (F)	HPGG	
1751	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE,	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	VK000480GWEZC	HPGG (F)	HPGG	

	MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1752	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	VK000960GWEZD	HPGG (F)	HPGG	
1753	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	VK001920GWEZE	HPGG (F)	HPGG	
1754	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	MK000240GWEZF	HPGG (F)	HPGG	
1755	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	MK000480GWEZ H	HPGG (F)	HPGG	
1756	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	MK000960GWEZK	HPGG (F)	HPGG	
1757	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 6.1.x86_64.rpm	MK001920GWHR U	HPGG (F)	HPGG	
1758	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- aef2a690c9-HPG5-	MK000240GWKV K	HPG5 (I)	HPG5	

	VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	9.1.x86_64.rpm				
1759	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	MK000480GWJPN	HPG5 (I)	HPG5	
1760	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	MK000960GWJPP	HPG5 (I)	HPG5	
1761	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	MK001920GWJPQ	HPG5 (I)	HPG5	
1762	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	VK000240GWJPD	HPG5 (I)	HPG5	
1763	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	VK000480GWJPE	HPG5 (I)	HPG5	
1764	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- aef2a690c9-HPG5-	VK000960GWJPF	HPG5 (I)	HPG5	

	VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	9.1.x86_64.rpm				
1765	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	VK001920GWJPH	HPG5 (I)	HPG5	
1766	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 9.1.x86_64.rpm	VK003840GWJPK	HPG5 (I)	HPG5	
1767	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 8.1.x86_64.rpm	VK000240GWSRQ	HPG4 (H)	HPG4	
1768	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 8.1.x86_64.rpm	VK000480GWSRR	HPG4 (H)	HPG4	
1769	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 8.1.x86_64.rpm	VK000960GWSRT	HPG4 (H)	HPG4	
1770	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 8.1.x86_64.rpm	VK001920GWSRU	HPG4 (H)	HPG4	
1771	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 8.1.x86_64.rpm	VK003840GWSRV	HPG4 (H)	HPG4	

1772	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	VK000240GWTSV	HPG7 (B)	HPG7	
1773	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	VK000480GWTTA	HPG7 (B)	HPG7	
1774	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	VK000960GWTTB	HPG7 (B)	HPG7	
1775	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	VK001920GW TTC	HPG7 (B)	HPG7	
1776	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	VK003840GWTTD	HPG7 (B)	HPG7	
1777	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	MK000480GWTT H	HPG7 (B)	HPG7	

1778	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	MK000960GWTTK	HPG7 (B)	HPG7	
1779	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	MK001920GWTTL	HPG7 (B)	HPG7	
1780	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-2.1.x86_64.rpm	MK003840GWTTN	HPG7 (B)	HPG7	
1781	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-HPG1-7.1.x86_64.rpm	VK000240GXAWE	HPG1 (G)	HPG1	
1782	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-HPG1-7.1.x86_64.rpm	VK000480GXAWK	HPG1 (G)	HPG1	
1783	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE,	firmware-hdd-8f9bf23306-HPG1-7.1.x86_64.rpm	VK000960GXAWL	HPG1 (G)	HPG1	

	VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1784	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- 7.1.x86_64.rpm	VK001920GXAWN	HPG1 (G)	HPG1	
1785	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- 7.1.x86_64.rpm	VK003840GXAWP	HPG1 (G)	HPG1	
1786	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- 7.1.x86_64.rpm	VK007680GXAWQ	HPG1 (G)	HPG1	
1787	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF,	firmware-hdd- 8f9bf23306-HPG1- 7.1.x86_64.rpm	MK000480GXAWF	HPG1 (G)	HPG1	

	MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1788	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- 7.1.x86_64.rpm	MK000960GXAXB	HPG1 (G)	HPG1	
1789	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- 7.1.x86_64.rpm	MK001920GXAW R	HPG1 (G)	HPG1	
1790	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- 7.1.x86_64.rpm	MK003840GXAW T	HPG1 (G)	HPG1	
1791	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- 7.1.x86_64.rpm	VR000240GXBBL	HPG1 (G)	HPG1	

1792	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-HPG1-7.1.x86_64.rpm	MR000480GXBGH	HPG1 (G)	HPG1	
1793	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-HPG1-7.1.x86_64.rpm	MR000960GXBGK	HPG1 (G)	HPG1	
1794	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-2.1.x86_64.rpm	VK000240GZXRU	HPG1 (B)	HPG1	
1795	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-2.1.x86_64.rpm	VK000480GZXRF	HPG1 (B)	HPG1	
1796	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-2.1.x86_64.rpm	VK000960GZXQU	HPG1 (B)	HPG1	
1797	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-2.1.x86_64.rpm	VK001920GZXQV	HPG1 (B)	HPG1	
1798	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF,	firmware-hdd-abd133f0de-HPG1-2.1.x86_64.rpm	VK003840GZXRH	HPG1 (B)	HPG1	

	VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives					
1799	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd- abd133f0de-HPG1- 2.1.x86_64.rpm	VK007680GZXRT	HPG1 (B)	HPG1	
1800	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	VK000480GWSXF	HPG3 (F)	HPG3	
1801	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	VK000960GWSXH	HPG3 (F)	HPG3	
1802	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	VK001920GWSXK	HPG3 (F)	HPG3	
1803	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	MK000480GWUG F	HPG3 (F)	HPG3	
1804	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	MK000960GWUG H	HPG3 (F)	HPG3	
1805	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 6.1.x86_64.rpm	MK001920GWUG K	HPG3 (F)	HPG3	
1806	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG4- 5.1.x86_64.rpm	VK000480GWTHA	HPG4 (E)	HPG4	

1807	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG4-5.1.x86_64.rpm	VK000960GWTHB	HPG4 (E)	HPG4	
1808	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG4-5.1.x86_64.rpm	VK001920GWTHC	HPG4 (E)	HPG4	
1809	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG4-5.1.x86_64.rpm	VK003840GWTHD	HPG4 (E)	HPG4	
1810	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-2.1.x86_64.rpm	VK000480GZCNE	HPG3 (B)	HPG3	
1811	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-2.1.x86_64.rpm	VK000960GZCNF	HPG3 (B)	HPG3	
1812	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-2.1.x86_64.rpm	VK001920GZCNH	HPG3 (B)	HPG3	
1813	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-2.1.x86_64.rpm	VK003840GZCNK	HPG3 (B)	HPG3	
1814	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-4.1.x86_64.rpm	VK000960GXCLD	HPG3 (D)	HPG3	
1815	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-4.1.x86_64.rpm	VK001920GXCGP	HPG3 (D)	HPG3	
1816	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-4.1.x86_64.rpm	VK003840GXCGQ	HPG3 (D)	HPG3	
1817	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-4.1.x86_64.rpm	VK007680GXCGR	HPG3 (D)	HPG3	

1818	Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive	firmware-hdd-d1cf327bc4-HPG3-6.1.x86_64.rpm	VK003840GWSXL	HPG3 (F)	HPG3	
1819	Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive	firmware-hdd-b460823f70-HPG3-6.1.x86_64.rpm	VK007680GWSXN	HPG3 (F)	HPG3	
1820	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK000200GWEPD	HPG3 (I)	HPG3	
1821	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK000400GWEPE	HPG3 (I)	HPG3	
1822	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK000800GWEPE	HPG3 (I)	HPG3	
1823	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK001600GWEPE	HPG3 (I)	HPG3	
1824	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBC Drives	CP055250.zip	MB001000GWCBC	HPG6 (H)	HPG6	
1825	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBC Drives	CP055250.zip	MB002000GWCBC	HPG6 (H)	HPG6	
1826	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFVK and MB002000GWFVK Drives	CP053380.zip	MB001000GWFVK	HPG6 (H)	HPG6	
1827	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFVK and MB002000GWFVK Drives	CP053380.zip	MB002000GWFVK	HPG6 (H)	HPG6	
1828	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP053382.zip	MB001000GWJAN	HPG1 (H)	HPG1	
1829	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP053382.zip	MB002000GWFVA	HPG1 (H)	HPG1	
1830	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	CP053382.zip	MB004000GWFVB	HPG1 (H)	HPG1	
1831	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP053386.zip	MB004000GWKGV	HPG1 (H)	HPG1	
1832	Online HDD/SSD Flash Component for VMware ESXi	CP058301.zip	MB004000GWWQH	HPG6	HPG6	更新

	- MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives					
1833	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP058301.zip	MB002000GWW QF	HPG6	HPG6	更新
1834	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP058301.zip	MB001000GWW QE	HPG6	HPG6	更新
1835	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP055304.zip	MB006000GWBX Q	HPG8 (H)	HPG8	
1836	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP055304.zip	MB008000GWBXL	HPG8 (H)	HPG8	
1837	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP054407.zip	MB006000GWJRR	HPG6	HPG6	
1838	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP054407.zip	MB008000GWJRT	HPG6	HPG6	
1839	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP053392.zip	MB006000GWKGR	HPG1 (H)	HPG1	
1840	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP053396.zip	MB008000GWRTC	HPG1 (H)	HPG1	
1841	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP058362.zip	MB008000GWW QU	HPG8	HPG8	更新
1842	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP058362.zip	MB006000GWW QT	HPG8	HPG8	更新
1843	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP055306.zip	MB010000GWAY N	HPG5 (I)	HPG5	
1844	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP055306.zip	MB008000GWAYL	HPG5 (I)	HPG5	
1845	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP059885.zip	MB010000GYDKP	HPG2	HPG2	更新
1846	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP059885.zip	MB012000GYCJL	HPG2	HPG2	更新
1847	Online HDD/SSD Flash	CP059885.zip	MB014000GYCJT	HPG2	HPG2	更新

	Component for VMware ESXi - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives					
1848	Online HDD/SSD Flash Component for VMware ESXi - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP059885.zip	MB016000GYDKQ	HPG2	HPG2	更新
1849	Online HDD/SSD Flash Component for VMware ESXi - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP059885.zip	MB018000GYDKR	HPG2	HPG2	更新
1850	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP053400.zip	MB012000GWDFE	HPG3 (D)	HPG3	
1851	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB012000GWTFE	HPG8	HPG8	
1852	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB014000GWTFE	HPG8	HPG8	
1853	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP059708.zip	MB012000GZYVT	HPG4	HPG4	更新
1854	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP059708.zip	MB014000GZYVU	HPG4	HPG4	更新
1855	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP059708.zip	MB016000GZYVV	HPG4	HPG4	更新
1856	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP059708.zip	MB018000GYCLL	HPG4	HPG4	更新
1857	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP055308.zip	MB014000GWRTN	HPG2 (H)	HPG2	
1858	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP055308.zip	MB012000GWRTL	HPG2 (H)	HPG2	
1859	Online HDD/SSD Flash	CP055308.zip	MB010000GWRT	HPG2 (H)	HPG2	

	Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives		K			
1860	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP053404.zip	MB014000GWUD A	HPG2 (H)	HPG2	
1861	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP053446.zip	MB016000GWXK K	HPG4	HPG4	
1862	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP059879.zip	MB018000GXMTK	HPG2	HPG2	更新
1863	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP059879.zip	MB020000GXMT Q	HPG2	HPG2	更新
1864	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB1000GDUNU	HPG4 (M)	HPG4	
1865	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB2000GDUNV	HPG4 (M)	HPG4	
1866	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB3000GDUPA	HPG4 (M)	HPG4	
1867	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB4000GDUPB	HPG4 (M)	HPG4	
1868	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB1000GVYZE	HPG5 (B)	HPG5	
1869	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB2000GVYZF	HPG5 (B)	HPG5	
1870	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB3000GVYZH	HPG5 (B)	HPG5	
1871	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB4000GVYZK	HPG5 (B)	HPG5	

1872	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP055314.zip	MB2000GFEMH	HPG6 (K)	HPG6	
1873	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP055314.zip	MB4000GFEMK	HPG6 (K)	HPG6	
1874	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive	CP055323.zip	MB6000GEBTP	HPG4 (K)	HPG4	
1875	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP055326.zip	MB6000GVYZB	HPG5 (B)	HPG5	
1876	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP055326.zip	MB4000GVYZA	HPG5 (B)	HPG5	
1877	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP055338.zip	MK000240GWCEU	HPG3 (I)	HPG3	
1878	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP055338.zip	MK000480GWCEV	HPG3 (I)	HPG3	
1879	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP055338.zip	MK000960GWCFA	HPG3 (I)	HPG3	
1880	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP055338.zip	MK001920GWCFCB	HPG3 (I)	HPG3	
1881	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000480GWSSC	HPG3 (E)	HPG3	
1882	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000960GWSSD	HPG3 (E)	HPG3	
1883	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK001920GWSSE	HPG3 (E)	HPG3	
1884	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and	CP053430.zip	MK003840GWSSF	HPG3 (E)	HPG3	

	MK003840GWSSF Drives					
1885	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK000480GWXFF	HPG3	HPG3	
1886	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK000960GWXFH	HPG3	HPG3	
1887	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK001920GWXFK	HPG3	HPG3	
1888	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK003840GWXFL	HPG3	HPG3	
1889	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000480GZXRA	HPG1	HPG1	
1890	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000960GZXR B	HPG1	HPG1	
1891	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK001920GZXRC	HPG1	HPG1	
1892	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK003840GZXRV	HPG1	HPG1	
1893	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP053414.zip	MM1000GFJTE	HPG6 (B)	HPG6	
1894	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP053412.zip	MM2000GEFRA	HPG9 (B)	HPG9	
1895	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR000240GWFLU	HPGG (D)	HPGG	
1896	Online HDD/SSD Flash Component for VMware ESXi	CP055342.zip	MR000480GWFLV	HPGG (D)	HPGG	

	- MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1897	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR000480GWFMD	HPGG (D)	HPGG	
1898	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR000960GWFMA	HPGG (D)	HPGG	
1899	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR000960GWFME	HPGG (D)	HPGG	
1900	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR001920GWFMB	HPGG (D)	HPGG	
1901	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR001920GWFMC	HPGG (D)	HPGG	
1902	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000240GWCFD	HPG3 (I)	HPG3	
1903	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000480GWCFE	HPG3 (I)	HPG3	

1904	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000960GWCFE	HPG3 (I)	HPG3	
1905	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK001920GWCFH	HPG3 (I)	HPG3	
1906	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK003840GWCFK	HPG3 (I)	HPG3	
1907	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK000240GWEZB	HPGG (D)	HPGG	
1908	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK000480GWEZC	HPGG (D)	HPGG	
1909	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK000960GWEZD	HPGG (D)	HPGG	
1910	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK001920GWEZE	HPGG (D)	HPGG	
1911	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD,	CP055345.zip	MK000240GWEZF	HPGG (D)	HPGG	

	VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1912	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	MK000480GWEZ H	HPGG (D)	HPGG	
1913	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	MK000960GWEZK	HPGG (D)	HPGG	
1914	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	MK001920GWHR U	HPGG (D)	HPGG	
1915	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	MK000240GWKV K	HPG5 (H)	HPG5	
1916	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	MK000480GWJPN	HPG5 (H)	HPG5	
1917	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN,	CP055359.zip	MK000960GWJPP	HPG5 (H)	HPG5	

	MK000960GWJPP and MK001920GWJPPQ Drives					
1918	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP055359.zip	MK001920GWJPPQ	HPG5 (H)	HPG5	
1919	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP055359.zip	VK000240GWJPD	HPG5 (H)	HPG5	
1920	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP055359.zip	VK000480GWJPE	HPG5 (H)	HPG5	
1921	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP055359.zip	VK000960GWJPF	HPG5 (H)	HPG5	
1922	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives	CP055359.zip	VK001920GWJPH	HPG5 (H)	HPG5	
1923	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN,	CP055359.zip	VK003840GWJPK	HPG5 (H)	HPG5	

	MK000960GWJPP and MK001920GWJPPQ Drives					
1924	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000240GWSRQ	HPG4 (E)	HPG4	
1925	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000480GWSRR	HPG4 (E)	HPG4	
1926	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000960GWSRT	HPG4 (E)	HPG4	
1927	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK001920GWSRU	HPG4 (E)	HPG4	
1928	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK003840GWSRV	HPG4 (E)	HPG4	
1929	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	CP059442.zip	VK000240GWTSV	HPG7 (B)	HPG7	
1930	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	CP059442.zip	VK000480GWTTA	HPG7 (B)	HPG7	
1931	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD,	CP059442.zip	VK000960GWTTB	HPG7 (B)	HPG7	

	MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1932	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP059442.zip	VK001920GWTTT	HPG7 (B)	HPG7	
1933	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP059442.zip	VK003840GWTTD	HPG7 (B)	HPG7	
1934	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP059442.zip	MK000480GWTT H	HPG7 (B)	HPG7	
1935	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP059442.zip	MK000960GWTTK	HPG7 (B)	HPG7	
1936	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP059442.zip	MK001920GWTTL	HPG7 (B)	HPG7	
1937	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD,	CP059442.zip	MK003840GWTT N	HPG7 (B)	HPG7	

	MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1938	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000240GXAWA	HPG1 (D)	HPG1	
1939	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000480GXAWK	HPG1 (D)	HPG1	
1940	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000960GXAWL	HPG1 (D)	HPG1	
1941	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK001920GXAWN	HPG1 (D)	HPG1	
1942	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN,	CP053453.zip	VK003840GXAWP	HPG1 (D)	HPG1	

	VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1943	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK007680GXAWQ	HPG1 (D)	HPG1	
1944	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK000480GXAWF	HPG1 (D)	HPG1	
1945	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK000960GXAXB	HPG1 (D)	HPG1	
1946	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK001920GXAW R	HPG1 (D)	HPG1	
1947	Online HDD/SSD Flash Component for VMware ESXi	CP053453.zip	MK003840GXAW T	HPG1 (D)	HPG1	

	- VK000240GXAWWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1948	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VR000240GXBBL	HPG1 (D)	HPG1	
1949	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MR000480GXBGH	HPG1 (D)	HPG1	
1950	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MR000960GXBGK	HPG1 (D)	HPG1	
1951	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000240GZXRU	HPG1	HPG1	
1952	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF,	CP055690.zip	VK000480GZXRF	HPG1	HPG1	

	VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.					
1953	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000960GZXQU	HPG1	HPG1	
1954	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK001920GZXQV	HPG1	HPG1	
1955	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK003840GZXRH	HPG1	HPG1	
1956	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK007680GZXRT	HPG1	HPG1	
1957	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	VK000480GWSXF	HPG3 (D)	HPG3	
1958	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	VK000960GWSXH	HPG3 (D)	HPG3	
1959	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	VK001920GWSXK	HPG3 (D)	HPG3	
1960	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF,	CP055348.zip	MK000480GWUG F	HPG3 (D)	HPG3	

	MK000960GWUGH and MK001920GWUGK Drives					
1961	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	MK000960GWUG H	HPG3 (D)	HPG3	
1962	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	MK001920GWUG K	HPG3 (D)	HPG3	
1963	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK000480GWTHA	HPG4 (B)	HPG4	
1964	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK000960GWTHB	HPG4 (B)	HPG4	
1965	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK001920GWTHC	HPG4 (B)	HPG4	
1966	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK003840GWTHD	HPG4 (B)	HPG4	
1967	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000480GZCNE	HPG3	HPG3	
1968	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000960GZCNF	HPG3	HPG3	
1969	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK001920GZCNH	HPG3	HPG3	
1970	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK003840GZCNK	HPG3	HPG3	

1971	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK000960GXCLD	HPG3 (C)	HPG3	
1972	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK001920GXCGP	HPG3 (C)	HPG3	
1973	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK003840GXCGQ	HPG3 (C)	HPG3	
1974	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK007680GXCGR	HPG3 (C)	HPG3	
1975	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP055349.zip	VK003840GWSXL	HPG3 (D)	HPG3	
1976	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP055346.zip	VK007680GWSXN	HPG3 (D)	HPG3	
1977	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp055114.exe	EK000200GWEPD	HPG3 (H)	HPG3	
1978	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp055114.exe	EK000400GWEPE	HPG3 (H)	HPG3	
1979	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp055114.exe	EK000800GWEPE	HPG3 (H)	HPG3	
1980	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp055114.exe	EK001600GWEPE	HPG3 (H)	HPG3	
1981	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp052749.exe	MB001000GWCBC	HPG6 (G)	HPG6	
1982	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp052749.exe	MB002000GWCBC	HPG6 (G)	HPG6	
1983	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL	cp055117.exe	MB001000GWFVK	HPG6 (H)	HPG6	

	Drives					
1984	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GFWFL Drives	cp055117.exe	MB002000GFWFL	HPG6 (H)	HPG6	
1985	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp055133.exe	MB001000GWJAN	HPG1 (H)	HPG1	
1986	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp055133.exe	MB002000GFWFA	HPG1 (H)	HPG1	
1987	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp055133.exe	MB004000GFWFB	HPG1 (H)	HPG1	
1988	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp055136.exe	MB004000GWKGV	HPG1 (H)	HPG1	
1989	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp058300.exe	MB004000GWWQH	HPG6	HPG6	更新
1990	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp058300.exe	MB002000GWWQF	HPG6	HPG6	更新
1991	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp058300.exe	MB001000GWWQE	HPG6	HPG6	更新
1992	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp055137.exe	MB006000GWBXQ	HPG8 (G)	HPG8	
1993	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp055137.exe	MB008000GWBXL	HPG8 (G)	HPG8	
1994	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp055191.exe	MB006000GWJRR	HPG6 (B)	HPG6	
1995	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp055191.exe	MB008000GWJRT	HPG6 (B)	HPG6	
1996	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp055140.exe	MB006000GWKGR	HPG1 (H)	HPG1	
1997	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp055147.exe	MB008000GWRTC	HPG1 (H)	HPG1	
1998	Online HDD/SSD Flash Component for Windows	cp058360.exe	MB008000GWWQU	HPG8	HPG8	更新

	(x64) - MB008000GWWQU and MB006000GWWQT Drives					
1999	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp058360.exe	MB006000GWWQT	HPG8	HPG8	更新
2000	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp053025.exe	MB010000GWAYN	HPG5 (G)	HPG5	
2001	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp053025.exe	MB008000GWAYL	HPG5 (G)	HPG5	
2002	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp059886.exe	MB010000GYDKP	HPG2	HPG2	更新
2003	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp059886.exe	MB012000GYCJL	HPG2	HPG2	更新
2004	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp059886.exe	MB014000GYCJT	HPG2	HPG2	更新
2005	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp059886.exe	MB016000GYDKQ	HPG2	HPG2	更新
2006	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp059886.exe	MB018000GYDKR	HPG2	HPG2	更新
2007	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp055150.exe	MB012000GWDFE	HPG3 (E)	HPG3	
2008	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp054892.exe	MB012000GWTFE	HPG8 (B)	HPG8	
2009	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp054892.exe	MB014000GWTFE	HPG8 (B)	HPG8	
2010	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT,	cp059710.exe	MB012000GZYVT	HPG4	HPG4	更新

	MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives					
2011	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp059710.exe	MB014000GZYVU	HPG4	HPG4	更新
2012	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp059710.exe	MB016000GZYVV	HPG4	HPG4	更新
2013	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp059710.exe	MB018000GYCLL	HPG4	HPG4	更新
2014	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB014000GWRT N	HPG2 (G)	HPG2	
2015	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB012000GWRTL	HPG2 (G)	HPG2	
2016	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB010000GWRT K	HPG2 (G)	HPG2	
2017	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp055211.exe	MB014000GWUD A	HPG2 (H)	HPG2	
2018	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp055196.exe	MB016000GWXK K	HPG4	HPG4	
2019	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp059880.exe	MB018000GXMTK	HPG2	HPG2	更新
2020	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp059880.exe	MB020000GXMT Q	HPG2	HPG2	更新
2021	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB1000GDUNU	HPG4 (K)	HPG4	
2022	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB2000GDUNV	HPG4 (K)	HPG4	
2023	Online HDD/SSD Flash Component for Windows	cp055153.exe	MB3000GDUPA	HPG4 (K)	HPG4	

	(x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives					
2024	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB4000GDUPB	HPG4 (K)	HPG4	
2025	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB1000GVYZE	HPG5	HPG5	
2026	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB2000GVYZF	HPG5	HPG5	
2027	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB3000GVYZH	HPG5	HPG5	
2028	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB4000GVYZK	HPG5	HPG5	
2029	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp053032.exe	MB2000GFEMH	HPG6 (I)	HPG6	
2030	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp053032.exe	MB4000GFEMK	HPG6 (I)	HPG6	
2031	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive	cp055160.exe	MB6000GEBTP	HPG4 (J)	HPG4	
2032	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp052426.exe	MB6000GVYZB	HPG5	HPG5	
2033	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp052426.exe	MB4000GVYZA	HPG5	HPG5	
2034	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCF A and MK001920GWCFB Drives	cp055169.exe	MK000480GWCE V	HPG3 (H)	HPG3	
2035	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCF A and MK001920GWCFB Drives	cp055169.exe	MK000960GWCF A	HPG3 (H)	HPG3	
2036	Online HDD/SSD Flash	cp055169.exe	MK001920GWCFB	HPG3 (H)	HPG3	

	Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives					
2037	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp055169.exe	MK000240GWCEU	HPG3 (H)	HPG3	
2038	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK000480GWSSC	HPG3 (F)	HPG3	
2039	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK000960GWSSD	HPG3 (F)	HPG3	
2040	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK001920GWSSE	HPG3 (F)	HPG3	
2041	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK003840GWSSF	HPG3 (F)	HPG3	
2042	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000480GWXFF	HPG3	HPG3	
2043	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000960GWXFH	HPG3	HPG3	
2044	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK001920GWXFK	HPG3	HPG3	
2045	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK003840GWXFL	HPG3	HPG3	
2046	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK000480GZXRA	HPG1	HPG1	
2047	Online HDD/SSD Flash	cp055687.exe	MK000960GZXR B	HPG1	HPG1	

	Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives					
2048	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK001920GZXRC	HPG1	HPG1	
2049	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK003840GZXRV	HPG1	HPG1	
2050	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp052336.exe	MM1000GFJTE	HPG6	HPG6	
2051	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp052135.exe	MM2000GEFRA	HPG9	HPG9	
2052	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000240GWFLU	HPGG (D)	HPGG	
2053	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000480GWFLV	HPGG (D)	HPGG	
2054	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	VR000480GWFMD	HPGG (D)	HPGG	
2055	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000960GWFMA	HPGG (D)	HPGG	
2056	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME,	cp055173.exe	VR000960GWFME	HPGG (D)	HPGG	

	MR001920GWFMB and VR001920GWFMC Drives					
2057	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR001920GWFM B	HPGG (D)	HPGG	
2058	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	VR001920GWFM C	HPGG (D)	HPGG	
2059	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCF, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000480GWCFE	HPG3 (H)	HPG3	
2060	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCF, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000960GWCF	HPG3 (H)	HPG3	
2061	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCF, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000240GWCFD	HPG3 (H)	HPG3	
2062	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCF, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK001920GWCFH	HPG3 (H)	HPG3	
2063	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCF, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK003840GWCFK	HPG3 (H)	HPG3	
2064	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK000240GWEZB	HPGG (D)	HPGG	
2065	Online HDD/SSD Flash	cp055176.exe	VK000480GWEZC	HPGG (D)	HPGG	

	Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
2066	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK000960GWEZD	HPGG (D)	HPGG	
2067	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK001920GWEZE	HPGG (D)	HPGG	
2068	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000240GWEZF	HPGG (D)	HPGG	
2069	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000480GWEZH	HPGG (D)	HPGG	
2070	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000960GWEZK	HPGG (D)	HPGG	
2071	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF,	cp055176.exe	MK001920GWHRU	HPGG (D)	HPGG	

	MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
2072	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	MK000240GWKV K	HPG5 (F)	HPG5	
2073	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	MK000480GWJPN	HPG5 (F)	HPG5	
2074	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	MK000960GWJPP	HPG5 (F)	HPG5	
2075	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	MK001920GWJPQ	HPG5 (F)	HPG5	
2076	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	VK000240GWJPD	HPG5 (F)	HPG5	
2077	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK,	cp053095.exe	VK000480GWJPE	HPG5 (F)	HPG5	

	MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives					
2078	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives	cp053095.exe	VK000960GWJPF	HPG5 (F)	HPG5	
2079	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives	cp053095.exe	VK001920GWJPH	HPG5 (F)	HPG5	
2080	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPP Drives	cp053095.exe	VK003840GWJPK	HPG5 (F)	HPG5	
2081	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000240GWSRQ	HPG4 (F)	HPG4	
2082	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000480GWSRR	HPG4 (F)	HPG4	
2083	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000960GWSRT	HPG4 (F)	HPG4	
2084	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK001920GWSRU	HPG4 (F)	HPG4	
2085	Online HDD/SSD Flash Component for Windows	cp055188.exe	VK003840GWSRV	HPG4 (F)	HPG4	

	(x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives					
2086	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	VK000240GWTSV	HPG7 (B)	HPG7	
2087	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	VK000480GWTTA	HPG7 (B)	HPG7	
2088	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	VK000960GWTTB	HPG7 (B)	HPG7	
2089	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	VK001920GWTTT	HPG7 (B)	HPG7	
2090	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	VK003840GWTTD	HPG7 (B)	HPG7	
2091	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT,	cp059441.exe	MK000480GWTT H	HPG7 (B)	HPG7	

	VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
2092	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	MK000960GWTTK	HPG7 (B)	HPG7	
2093	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	MK001920GWTTL	HPG7 (B)	HPG7	
2094	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp059441.exe	MK003840GWTT N	HPG7 (B)	HPG7	
2095	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	VK000240GXAWE	HPG1 (E)	HPG1	
2096	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL,	cp055201.exe	VK000480GXAWK	HPG1 (E)	HPG1	

	MR000480GXBGH and MR000960GXBGK Drives					
2097	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	VK000960GXAWL	HPG1 (E)	HPG1	
2098	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	VK001920GXAWN	HPG1 (E)	HPG1	
2099	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	VK003840GXAWP	HPG1 (E)	HPG1	
2100	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	VK007680GXAWQ	HPG1 (E)	HPG1	
2101	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK,	cp055201.exe	MK000480GXAWF	HPG1 (E)	HPG1	

	VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
2102	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MK000960GXAXB	HPG1 (E)	HPG1	
2103	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MK001920GXAW R	HPG1 (E)	HPG1	
2104	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MK003840GXAW T	HPG1 (E)	HPG1	
2105	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,	cp055201.exe	VR000240GXBBL	HPG1 (E)	HPG1	

	MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
2106	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MR000480GXBGH	HPG1 (E)	HPG1	
2107	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MR000960GXBGK	HPG1 (E)	HPG1	
2108	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000240GZXRU	HPG1	HPG1	
2109	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000480GZXRF	HPG1	HPG1	
2110	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000960GZXQU	HPG1	HPG1	
2111	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and	cp055692.exe	VK001920GZXQV	HPG1	HPG1	

	VK007680GZXRT Drives					
2112	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK003840GZXRH	HPG1	HPG1	
2113	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK007680GZXRT	HPG1	HPG1	
2114	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK000480GWSXF	HPG3 (D)	HPG3	
2115	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK000960GWSXH	HPG3 (D)	HPG3	
2116	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK001920GWSXK	HPG3 (D)	HPG3	
2117	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	MK000480GWUG F	HPG3 (D)	HPG3	
2118	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	MK000960GWUG H	HPG3 (D)	HPG3	
2119	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	MK001920GWUG K	HPG3 (D)	HPG3	
2120	Online HDD/SSD Flash	cp053599.exe	VK000480GWTHA	HPG4	HPG4	

	Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives					
2121	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK000960GWTHB	HPG4	HPG4	
2122	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK001920GWTHC	HPG4	HPG4	
2123	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK003840GWTHD	HPG4	HPG4	
2124	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK000480GZCNE	HPG3	HPG3	
2125	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK000960GZCNF	HPG3	HPG3	
2126	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK001920GZCNH	HPG3	HPG3	
2127	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK003840GZCNK	HPG3	HPG3	
2128	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK000960GXCLD	HPG3 (B)	HPG3	
2129	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK001920GXCGP	HPG3 (B)	HPG3	
2130	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK003840GXCGQ	HPG3 (B)	HPG3	
2131	Online HDD/SSD Flash	cp053104.exe	VK007680GXCGR	HPG3 (B)	HPG3	

	Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives					
2132	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp055180.exe	VK003840GWSXL	HPG3 (D)	HPG3	
2133	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp055181.exe	VK007680GWSXN	HPG3 (D)	HPG3	
2134	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_S CIMARBPNTG1.fwpkg	Seagate-CimarronBP-SATA	HPG1	HPG1	新規追加
2135	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_S CIMARBPETG1.fwpkg	Seagate-CimarronBP-SATA	HPG1	HPG1	新規追加
2136	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960 GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GY CNU ,VK000480GYCNH ,VK00 0960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680 GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	Solidigm-S4X20-SATA	HPG3	HPG3	新規追加

6.2.16 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2137	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller	CP060397.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3.5379	52.26.3.5379	更新
2138	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller	CP060396.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3.5379	52.26.3.5379	更新
2139	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller	CP060395.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3.5379	52.26.3.5379	更新
2140	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller	CP060238.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3.5379	52.26.3.5379	更新
2141	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.fwpkg	HPE NS204i-p Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013	更新
2142	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.fwpkg	HPE NS204i-r Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013	更新
2143	Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller	HPE_MR216i-a_Gen10P_52.26.3-5379_A.fwpkg	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3-5379	52.26.3-5379	更新

2144	Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller	HPE_MR216i-p_Gen10P_52.26.3-5379_A.fwpkg	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3-5379	52.26.3-5379	更新
2145	Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller	HPE_MR416i-a_Gen10P_52.26.3-5379_A.fwpkg	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3-5379	52.26.3-5379	更新
2146	Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller	HPE_MR416i-p_Gen10P_52.26.3-5379_A.fwpkg	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3-5379	52.26.3-5379	更新
2147	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array P816i-a SR Gen10 Controller	6.52 (B)	6.52	更新
2148	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array P408i-a SR Gen10 Controller	6.52 (B)	6.52	更新
2149	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array P408i-p SR Gen10 Controller	6.52 (B)	6.52	更新
2150	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	6.52 (B)	6.52	更新
2151	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array E208i-a SR Gen10 Controller	6.52 (B)	6.52	更新
2152	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers	HPE_SR_Gen10_6.52_B.fwpkg	HPE Smart Array E208i-p SR Gen10 Controller	6.52 (B)	6.52	更新
2153	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.23.072_A.fwpkg	Microchip SR416i-a Cntrl for HPE Gen10+	03.01.23.072	03.01.23.072	
2154	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.23.072_A.fwpkg	Microchip SR932i-p Cntrl for HPE Gen10+	03.01.23.072	03.01.23.072	
2155	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.52 (B)	6.52	更新

	Gen10					
2156	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.52 (B)	6.52	更新
2157	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.52 (B)	6.52	更新
2158	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.52 (B)	6.52	更新
2159	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.52 (B)	6.52	更新
2160	Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-6.52-2.1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.52 (B)	6.52	更新
2161	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	
2162	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP058431.zip	HPE Smart Array P816i-a SR Gen10 Controller	6.52	6.52	更新
2163	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP058431.zip	HPE Smart Array E208e-p SR Gen10 Controller	6.52	6.52	更新
2164	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP058431.zip	HPE Smart Array P408i-p SR Gen10 Controller	6.52	6.52	更新
2165	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP058431.zip	HPE Smart Array P408i-a SR Gen10 Controller	6.52	6.52	更新
2166	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR	CP058431.zip	HPE Smart Array E208i-a SR Gen10 Controller	6.52	6.52	更新

	Gen10					
2167	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	CP058431.zip	HPE Smart Array E208i-p SR Gen10 Controller	6.52	6.52	更新
2168	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp057010.exe	HPE 12Gb SAS Expander Card	5.15 (B)	5.15	
2169	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.52	6.52	更新
2170	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.52	6.52	更新
2171	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.52	6.52	更新
2172	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.52	6.52	更新
2173	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.52	6.52	更新
2174	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	cp058429.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.52	6.52	更新
2175	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	

6.2.17 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2176	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2023.10.01-3.1.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01 (c)	14.2.589.21	更新
2177	HPE Firmware Flash for	firmware-fc-emulex-	HPE SN1200E	2023.10.01	14.2.589.21	更新

	Emulex Fibre Channel Host Bus Adapters for Linux (x64)	2023.10.01-3.1.x86_64.rpm	16Gb Single Port Fibre Channel Host Bus Adapter	(c)		
2178	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2023.10.01-3.1.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01 (c)	14.2.589.21	更新
2179	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2023.10.01-3.1.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01 (c)	14.2.589.21	更新
2180	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2023.10.01-3.1.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01 (c)	14.2.589.19	更新
2181	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2023.10.01-3.1.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01 (c)	14.2.589.19	更新
2182	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2183	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2184	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2185	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2186	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.19	更新
2187	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp058600.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.19	更新
2188	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058597.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2189	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058597.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2190	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058597.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2191	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058597.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2192	HPE Firmware Flash for	CP058597.zip	HPE SN1610E	2023.10.01	14.2.589.19	更新

	Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0		32Gb 1-port Fibre Channel Host Bus Adapter			
2193	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058597.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.19	更新
2194	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2195	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2196	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2197	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.21	更新
2198	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.19	更新
2199	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058598.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	14.2.589.19	更新
2200	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.02.05	更新
2201	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.02.05	更新
2202	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.02.05	更新
2203	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.02.05	更新
2204	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.09.07	更新
2205	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2023.10.01-2.2.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01 (b)	02.09.07	更新
2206	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058498.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2207	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058498.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2208	HPE Firmware Flash for	cp058498.exe	HPE SN1600Q	2023.10.01	02.02.05	更新

	QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)		32Gb Dual Port Fibre Channel Host Bus Adapter			
2209	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058498.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2210	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058498.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新
2211	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp058498.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新
2212	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2213	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2214	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2215	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2216	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新
2217	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP058495.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新
2218	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2219	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2220	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2221	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	02.02.05	更新
2222	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新
2223	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP058496.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	02.09.07	更新

	vSphere 8.0		Adapter			
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6.2.18 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2224	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flas hV1B24.fwpkg	NVMe Backplane PIC	1.24 (E)	1.24	
2225	Firmware Package - UBM1 Backplane PIC PLDM Firmware	HPE_UBM1_1.46_B.fwpkg	UBM1 Backplane PIC	1.46 (B)	1.46	新規追加
2226	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_E.fwpkg	UBM2 Backplane PIC	1.20 (E)	1.20	
2227	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM3_1.24_E.fwpkg	UBM3 Backplane PIC	1.24 (E)	1.24	
2228	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM4_1.24_F.fwpkg	UBM4 Backplane PIC	1.24 (F)	1.24	
2229	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM6_1.04_A.fwpkg	UBM6 Backplane PIC	1.04	1.04	
2230	Online Flash Component for Windows x64 - Gen10Plus UBM1 Backplane PIC Firmware	cp053174.exe	Gen10Plus_UBM1_Backplane_PIC	1.46 (B)	1.46	新規追加
2231	Online Flash Component for Windows x64 - Gen10Plus UBM2 Backplane PIC Firmware	cp052829.exe	Gen10Plus_UBM2_Backplane_PIC	1.20 (B)	1.20	
2232	Online Flash Component for Windows x64 - Gen10Plus UBM3 Backplane PIC Firmware	cp052311.exe	Gen10Plus_UBM3_Backplane_PIC	1.24 (B)	1.24	
2233	Online Flash Component for Windows x64 - Gen10Plus UBM4 Backplane PIC Firmware	cp053175.exe	Gen10Plus_UBM4_Backplane_PIC	1.24 (B)	1.24	
2234	Online Flash Component for Windows x64 - Gen10Plus UBM6 Backplane PIC Firmware	cp056325.exe	Gen10Plus_UBM6_Backplane_PIC	1.04	1.04	
2235	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	
2236	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-04.01.05.002-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.05.002	04.01.05.002	

2237	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-sps-04.04.04.603-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.04.04.603	04.04.04.603	更新
2238	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	cp057646.exe	Server Platform Services (SPS) Firmware	04.01.05.002	04.01.05.002	
2239	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp059630.exe	Server Platform Services (SPS) Firmware	04.04.04.603	04.04.04.603	更新
2240	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	05.01.04.913	
2241	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp059606.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新
2242	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	cp059613.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新
2243	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	
2244	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.04.913-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.913	05.01.04.913	
2245	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u61sps-06.00.03.604-1.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新
2246	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	firmware-u60sps-06.00.03.604-1.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新
2247	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) Firmware	0.2.3.0 (B)	0.2.3.0	
2248	ROM Flash Firmware Package	OEM.IEGen10Plus_1.0.	Innovation Engine	1.0.0.22 (B)	1.0.0.22	

	- Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	0.22.fwpkg	(IE) Firmware			
2249	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	04.01.05.002	
2250	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	04.04.04.603	更新
2251	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) Firmware for Intel C242 and C...	05.01.04.913	05.01.04.913	
2252	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 Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新
2253	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 Manageability Engine Firmware for t...	06.00.03.604	06.00.03.604	更新

6.2.19 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2254	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	
2255	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp049814.exe	-	6.0.0.0	6.0.0.0	

6.2.20 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2256	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	更新
2257	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp050934.zip	-	2022.09.01	700.3.9.0.4-1	更新
2258	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0	cp051152.zip	-	2022.09.01	800.3.9.0.30-1	更新
2259	HPE iLO Driver Bundle Smart Component for ESXi 7.0	cp059540.zip	-	2024.03.00	700.10.8.2.2-1OEM.700.1.0.15843807	更新
2260	Smart Storage Administrator	cp058581.zip	HPE Smart Array	2024.04.01	6.30.8.0-7.0.0	更新

	(SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers		P816i-a SR Gen10 Controller			
2261	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.04.01	6.30.8.0-7.0.0	更新
2262	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.04.01	6.30.8.0-7.0.0	更新
2263	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.04.01	6.30.8.0-7.0.0	更新
2264	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.04.01	6.30.8.0-7.0.0	更新
2265	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.04.01	6.30.8.0-7.0.0	更新
2266	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.04.01	6.30.8.0-7.0.0	更新
2267	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.04.01	6.30.8.0-7.0.0	更新
2268	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058581.zip	Smart Array S100i SR	2024.04.01	6.30.8.0-7.0.0	更新
2269	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2270	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2271	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2272	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2273	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2274	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.04.01	6.30.8.0-8.0.0	更新
2275	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.04.01	6.30.8.0-8.0.0	更新
2276	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.04.01	6.30.8.0-8.0.0	更新

	Plus/Gen11 Controllers					
2277	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp058584.zip	Smart Array S100i SR	2024.04.01	6.30.8.0-8.0.0	更新

6.2.21 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2278	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	更新
2279	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	更新
2280	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	更新
2281	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	更新
2282	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp057483.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01	更新
2283	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp057483.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01	更新
2284	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp057483.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01	更新
2285	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp057483.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.000 0.0000-01	更新
2286	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.68	1.2.1.68	更新
2287	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.1.68	1.2.1.68	更新
2288	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.68	1.2.1.68	更新
2289	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.1.68	1.2.1.68	更新
2290	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.68	1.2.1.68	更新
2291	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp059858.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.1.68	1.2.1.68	更新

6.2.22 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2292	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	
2293	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	
2294	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 Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel	
2295	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	
2296	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	
2297	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	
2298	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	
2299	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	
2300	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	
2301	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	
2302	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	
2303	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	
2304	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.11 (b)	14.2.589.11-1.rhel8	更新
2305	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.589.11 (b)	14.2.589.11-1.rhel8	更新
2306	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.2.589.11 (b)	14.2.589.11-1.rhel8	更新
2307	HPE Emulex Fibre Channel	HPE-CNA-FC-Emulex-	HPE SN1600E	14.2.589.11	14.2.589.11-	更新

	Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	32Gb Single Port Fibre Channel Host Bus Adapter	(b)	1.rhel8	
2308	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.2.589.11 (b)	14.2.589.11-1.rhel8	更新
2309	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.2.589.11-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.2.589.11 (b)	14.2.589.11-1.rhel8	更新
2310	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 (p)	
2311	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 (p)	
2312	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 (p)	
2313	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 (p)	
2314	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 (p)	
2315	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 (p)	
2316	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 (f)	
2317	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 (f)	
2318	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 (f)	
2319	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 (f)	
2320	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 (f)	

2321	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 (f)	
2322	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	
2323	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	
2324	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	
2325	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	
2326	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	
2327	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4	
2328	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2329	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2330	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2331	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2332	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2333	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp058493.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	5.3.82.0-10EM.703.0.0.18644231	更新
2334	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058494.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	5.4.82.0-10EM.800.1.0.20613240	更新
2335	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058494.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.10.01	5.4.82.0-10EM.800.1.0.20613240	更新
2336	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058494.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.10.01	5.4.82.0-10EM.800.1.0.20613240	更新
2337	HPE QLogic Fibre Channel	cp058494.zip	HPE SN1600Q	2023.10.01	5.4.82.0-	更新

	driver component for VMware vSphere 8.0		32Gb Single Port Fibre Channel Host Bus Adapter		1OEM.800.1.0.20613240	
2338	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058494.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.10.01	5.4.82.0-1OEM.800.1.0.20613240	更新
2339	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp058494.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.10.01	5.4.82.0-1OEM.800.1.0.20613240	更新
2340	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2341	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2342	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2343	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2344	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2345	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-3.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.1-3 (b)	6.0.0.1-3	更新
2346	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 (n)	
2347	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 (n)	
2348	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 (n)	
2349	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 (n)	
2350	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 (n)	
2351	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 (n)	
2352	HPE QLogic Smart SAN	cp054434.exe	HPE SN1100Q	1.0.0.1 (e)	1.0.0.1 (e)	

	Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)		16Gb Dual Port Fibre Channel Host Bus Adapter			
2353	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 (e)	
2354	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1 (e)	
2355	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 (e)	
2356	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 (e)	
2357	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 (e)	
2358	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	
2359	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	
2360	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	
2361	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	
2362	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	
2363	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	
2364	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.567.0-10EM.700.1.0.15843807	
2365	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.567.0-10EM.700.1.0.15843807	
2366	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.567.0-10EM.700.1.0.15843807	
2367	HPE Storage Emulex Fibre	cp055597.zip	HPE SN1600E	2023.09.01	14.2.567.0-	

	Channel driver component for VMware vSphere 7.0		32Gb Single Port Fibre Channel Host Bus Adapter		1OEM.700.1.0.15843807	
2368	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.567.0-1OEM.700.1.0.15843807	
2369	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.567.0-1OEM.700.1.0.15843807	

6.2.23 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2370	Agentless Management Service (iLO 5, iLO 6) for Red Hat Enterprise Linux 9 Server	amsd-3.5.0-1803.58.rhel9.x86_64.rpm	-	3.5.0	3.5.0-1803.58.rhel9	更新
2371	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server	amsd-3.5.0-1803.25.rhel8.x86_64.rpm	-	3.5.0	3.5.0-1803.25.rhel8	更新
2372	Agentless Management Service for Microsoft Windows x64	cp058524.exe	-	2.51.4.2	2.51.4.2	更新
2373	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 MR416i-p Cntrl for HPE Gen10+	8.6.18.0	008.006.018.000-00	更新
2374	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 MR416i-a Cntrl for HPE Gen10+	8.6.18.0	008.006.018.000-00	更新
2375	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 MR216i-p Cntrl for HPE Gen10+	8.6.18.0	008.006.018.000-00	更新
2376	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 MR216i-a Cntrl for HPE Gen10+	8.6.18.0	008.006.018.000-00	更新
2377	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	cp057493.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	8.6.18.0	8.6.18.0	更新
2378	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	cp057493.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	8.6.18.0	8.6.18.0	更新
2379	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	cp057493.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	8.6.18.0	8.6.18.0	更新
2380	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	cp057493.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	8.6.18.0	8.6.18.0	更新
2381	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	007.2613.0000.0000	007.2613.0000.0000-1	更新
2382	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	007.2613.0000.0000	007.2613.0000.0000-1	更新

2383	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	007.2613.0000.0000	007.2613.0000.0000-1	更新
2384	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	007.2613.0000.0000	007.2613.0000.0000-1	更新
2385	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp057489.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.2613.0.0	7.2613.0.0	更新
2386	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp057489.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.2613.0.0	7.2613.0.0	更新
2387	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp057489.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.2613.0.0	7.2613.0.0	更新
2388	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp057489.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.2613.0.0	7.2613.0.0	更新
2389	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp060552.exe	-	1.1.0.0 (F)	1.1.0.0 (F)	更新
2390	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2391	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2392	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2393	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2394	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2395	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2396	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	Smart Array S100i SR	6.30.8.0	6.30-8.0	更新
2397	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30-8.0	更新
2398	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.30-8.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30-8.0	更新
2399	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp058578.exe	HPE Smart Array P408i-a SR Gen10	6.30.8.0	6.30.8.0	更新

	for Gen10/Gen10 Plus/Gen11 Controllers		Controller			
2400	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2401	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2402	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2403	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2404	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2405	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新
2406	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新
2407	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058578.exe	Smart Array S100i SR	6.30.8.0	6.30.8.0	更新
2408	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2409	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2410	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2411	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2412	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2413	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2414	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	Smart Array S100i SR	6.30.8.0	6.30.8.0	更新
2415	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新

2416	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.30-8.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30-8.0	更新
2417	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2418	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2419	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2420	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2421	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2422	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2423	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新
2424	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	Smart Array S100i SR	6.30.8.0	6.30.8.0	更新
2425	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058577.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新
2426	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2427	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2428	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2429	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2430	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30-8.0	更新
2431	Smart Storage Administrator	ssaducli-6.30-	HPE Smart Array	6.30.8.0	6.30-8.0	更新

	Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	8.0.x86_64.rpm	E208i-p SR Gen10 Controller			
2432	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	Smart Array S100i SR	6.30.8.0	6.30-8.0	更新
2433	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30-8.0	更新
2434	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.30-8.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30-8.0	更新
2435	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2436	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2437	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2438	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2439	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2440	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.30.8.0	6.30.8.0	更新
2441	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	Smart Array S100i SR	6.30.8.0	6.30.8.0	更新
2442	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新
2443	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp058579.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.30.8.0	6.30.8.0	更新

6.3 パッケージの変更内容

Online ROM Flash Component for Linux - 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.

Online ROM Flash Component for Linux - 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 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: 3.00_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 Linux - 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 Linux - 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 Linux - 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 Linux - 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 Windows x64 - 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.

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: 3.03 (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 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: 10.1.18807.8279 (C) (Optional)

Enhancements

- Updated SBOM requirement

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

Version: 10.1.18807.8279 (C) (Optional)

Enhancements

- Updated SBOM requirement

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

Version: 10.1.19006.8299 (B) (Optional)

Enhancements

- Updated SBOM requirement

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

Version: 10.1.19006.8299 (B) (Optional)

Enhancements

- Updated SBOM requirement

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019

Version: 228.0.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x

adapters, version 228.1.111.0 or later, for use with this driver.

Fixes

- This product fixed CMDQ initialization race when coming out of sleep.
- This product fixed the NDSPI cleanup during driver unload.

Enhancements

- This product enhanced the resource cleanup during RDMA shutdown.
- This product enhanced the static analysis for PTP Hardware Timestamping.
- This product enhanced to allow user to configure timeout value for RoCE.

Supported Devices and Features

This product supports the following network adapters:

- 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: 228.0.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 228.1.111.0 or later, for use with this driver.

Fixes

- This product fixed CMDQ initialization race when coming out of sleep.
- This product fixed the NDSPI cleanup during driver unload.

Enhancements

- This product enhanced the resource cleanup during RDMA shutdown.
- This product enhanced the static analysis for PTP Hardware Timestamping.
- This product enhanced to allow user to configure timeout value for RoCE.

Supported Devices and Features

This product supports the following network adapters:

- 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: 221.0.5.0 (D) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.0.0 or later, for use with this driver.

Enhancements

This product enhanced to update Driver Copyright Information.

Supported Devices and Features

This product supports the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 228.0.121.0 (Recommended)

Important Note!

Fixes

- This product fixed CMDQ initialization race when coming out of sleep.
- This product fixed the NDSPI cleanup during driver unload.

Enhancements

- This product enhanced the resource cleanup during RDMA shutdown.
- This product enhanced the static analysis for PTP Hardware Timestamping.
- This product enhanced to allow user to configure timeout value for RoCE.

Supported Devices and Features

This product supports the following network adapters:

- 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: 228.0.121.0 (Recommended)

Important Note!

Fixes

- This product fixed CMDQ initialization race when coming out of sleep.
- This product fixed the NDSPI cleanup during driver unload.

Enhancements

- This product enhanced the resource cleanup during RDMA shutdown.

- This product enhanced the static analysis for PTP Hardware Timestamping.
- This product enhanced to allow user to configure timeout value for RoCE.

Supported Devices and Features

This product supports the following network adapters:

- 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: 1.10.2-228.0.133.0 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 228.1.111000 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 fixed an issue that bnxt_re library fails to compile with rdma-core v24.
- This product fixed shortage of resources for VFs even when L2 rings are reduced.
- This product fixed an issue that QoS config is not getting reinitialized at times after error recovery on the adapter with RoCE LAG configured.
- This product fixed an issue that VFs VNIC resource allocation is not in sync with the firmware.
- This product fixed UDP GSO feature to tunnel devices.
- This product fixed an issue that memory block from HWRM DMA pool is not released back to pool.
- This product fixed an issue that IOMMU address range overflow detection from driver and relevant prints.
- This product fixed an issue that all APP TLVs are not deleted when RoCE driver is unloaded with lossless TC changed to TC2.
- This product fixed max MTU setting for multi-buf XDP.
- This product fixed DKMS RPM packages failing to build driver.
- This product fixed IPSEC traffic with dynamic SPI is not hashing to all the queues.
- This product fixed an issue that bnxt_re driver fails to load on Wh+Firmware.
- This product fixed PCI I/O error detected while running ib_send_bw with huge pages.
- This Product fixed system crash observed on running ROCE+L2 IO with Virtual Function creation/deletion and triggering firmware error recovery.

- This product fixed host crash when adding/deleting filters with traffic.
- This product fixed an issue that port stop/start all in a loop triggers memory corruptions after couple of hundred iterations.
- This product fixed kernel crash when sriov is disabled while PF is being moved from switchdev to legacy back and forth in a loop and also while set channels (ring number change) is run in a loop.
- This product fixed a system crashed issue while running the roce hammer on wh+ with 8K perftest + 8k graf work QP's (kill and relaunch).
- This product fixed kernel panic when PHC UPDATE async event comes.

Enhancements

- This product enhanced to limit total number of combined rings across ports.
- This product enhanced to enable PPP mode push only when user needs inline send.
- This product enhanced to increase default number of rings on load.
- This product enhanced to restrict default rings to 16 if RDMA is enabled.
- This product enhanced to reduce default rings on NPAR Partitions.
- This product enhanced to add support removing or creating the bonding devices after VF being created.

Supported Devices and Features

This product supports the following network adapters:

- 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
- 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 Red Hat Enterprise Linux 9

Version: 1.10.2-228.0.133.0 (Recommended)

Important Note!

- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 228.1.111000 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 fixed an issue that bnxt_re library fails to compile with rdma-core v24.
- This product fixed shortage of resources for VFs even when L2 rings are reduced.

- This product fixed an issue that QoS config is not getting reinitialized at times after error recovery on the adapter with RoCE LAG configured.
- This product fixed an issue that VFs VNIC resource allocation is not in sync with the firmware.
- This product fixed UDP GSO feature to tunnel devices.
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- This product fixed max MTU setting for multi-buf XDP.
- This product fixed DKMS RPM packages failing to build driver.
- This product fixed IPSEC traffic with dynamic SPI is not hashing to all the queues.
- This product fixed an issue that bnxt_re driver fails to load on Wh+Firmware.
- This product fixed PCI I/O error detected while running ib_send_bw with huge pages.
- This Product fixed system crash observed on running ROCE+L2 IO with Virtual Function creation/deletion and triggering firmware error recovery.
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- This product fixed an issue that port stop/start all in a loop triggers memory corruptions after couple of hundred iterations.
- This product fixed kernel crash when sriov is disabled while PF is being moved from switchdev to legacy back and forth in a loop and also while set channels (ring number change) is run in a loop.
- This product fixed a system crashed issue while running the roce hammer on wh+ with 8K perftest + 8k graf work QP's (kill and relaunch).
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- This product enhanced to add support removing or creating the bonding devices after VF being created.

Supported Devices and Features

This product supports the following network adapters:

- 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
- 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: 2024.03.00 (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, 228.1.111000 or later, for use with this driver.

Fixes

- This product fixed checksum issues for tunnel packets in ENS (Enhanced Network Stack) mode.
- This product fixed VXLAN tunnel port config failure during driver reload.
- This product fixed invalid memory access when DCB mem alloc fails during driver load.
- This product fixed BFD (Bidirectional Forwarding Detection) control failures in NSX environment.
- This product fixed where Failing to bring up maximum number of VFs.

Enhancements

- This product now supports Update Driver logging as more generic.
- This product enhanced ENS driver to avoid blocking calls.
- This product enhanced to correct the logic to check link auto mode.
- This product now supports ens queue-stats Multiple queues.
- This product enhanced to avoid bnxtvm execution while unloading the driver.
- This product enhanced to update driver Installation section.
- This product enhanced to avoid potential race conditions while the hardware is trying to access freed memory.

Supported Devices and Features

This product supports the following network adapters:

- 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
- 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: 2024.03.00 (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 CP0xxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 228.1.111000 or later, for use with this driver.

Fixes

- This product fixed checksum issues for tunnel packets in ENS (Enhanced Network Stack) mode.
- This product fixed VXLAN tunnel port config failure during driver reload.
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- This product enhanced to update driver Installation section.
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Supported Devices and Features

This product supports the following network adapters:

- 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
- 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: 221.0.5.0 (D) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.0.0 or later, for use with this driver.

Enhancements

This product enhanced to update Driver Copyright Information.

Supported Devices and Features

This driver supports the following network adapters:

- 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: 3.139k-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.36.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 enhanced to implement power management.

Supported Devices and Features

These drivers support the following network adapters:

- 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
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9

Version: 3.139k-1 (Recommended)

Important Note!

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

x86_64, version 2.36.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 enhanced to implement power management.

Supported Devices and Features

These drivers support the following network adapters:

- 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
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Intel E1R Driver for Windows Server 2019

Version: 12.18.16.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Fixes

- This product correct an issue which fixes the device will be disabled and event ID 10400 after iPerf test.
- This product correct an issue which fixes link flapping while performing network traffic on the links of the network adapter.
- This product correct an issue which fixes unexpected transmission stop.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- 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: 13.0.16.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Fixes

- This product correct an issue which fixes the device will be disabled and event ID 10400 after iPerf test.
- This product correct an issue which fixes link flapping while performing network traffic on the links of the network adapter.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- 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: 2.23.17-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Fixes

This product correct an issue where the NVM fail to update due to the improper 802.1q VLAN tag feature detection.

Enhancements

- This product now supports PHY debug register dump by ethtool.
- This product now supports Red Hat Enterprise Linux 8.8.

Supported Devices and Features

This product supports the following network adapters:

- 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 i40e Drivers for Red Hat Enterprise Linux 9

Version: 2.23.17-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Fixes

This product correct an issue where the NVM fail to update due to the improper 802.1q VLAN tag feature detection.

Enhancements

- This product now supports PHY debug register dump by ethtool.
- This product now supports Red Hat Enterprise Linux 9.2.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel i40ea Driver for Windows Server 2019

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel i40ea Driver for Windows Server 2022

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel i40eb Driver for Windows Server 2019

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40eb Driver for Windows Server 2022

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40en Driver for VMware vSphere 7.0

Version: 2023.10.00 (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 in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.22.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

- 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: 2023.10.00 (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 in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.22.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This product supports the following network adapters:

- 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: 4.9.1-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.30 or later (version 4.31 for Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter), for use with these drivers.

Enhancements

- This product now supports allocating up to 256 transmit/receive queue pairs.
- This product now supports Red Hat Enterprise Linux 8.8.

Supported Devices and Features

This product supports the following network adapters:

- 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 MCLK Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Intel iavf Drivers for Red Hat Enterprise Linux 9

Version: 4.9.1-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.30 or later (version 4.31 for Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter), for use with these drivers.

Enhancements

- This product now supports allocating up to 256 transmit/receive queue pairs.
- This product now supports Red Hat Enterprise Linux 9.2.

Supported Devices and Features

This product supports the following network adapters:

- 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 MCLK 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: 6.14.16-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 8.8.

Supported Devices and Features

These drivers support the following network adapters:

- 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
- Intel(R) I350 Gigabit Network Connection

HPE Intel igb Drivers for Red Hat Enterprise Linux 9

Version: 5.14.16-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 9.2.

Supported Devices and Features

These drivers support the following network adapters:

- 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

- Intel(R) I350 Gigabit Network Connection

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8

Version: 5.19.6-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 8.8.

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 9

Version: 5.19.6-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 9.2.

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel ixgben Driver for VMware vSphere 7.0

Version: 2023.10.00 (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 HPE Intel Online Firmware Upgrade Utility for VMware, version 3.22.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

These drivers support the following network adapters:

- 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: 4.18.7-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 8.8.

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 9

Version: 4.18.7-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.29.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 9.2.

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel ixS Driver for Windows Server 2019

Version: 4.1.251.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

This driver supports the following network adapters:

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

HPE Intel ixs Driver for Windows Server 2022

Version: 4.1.252.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

This driver supports the following network adapters:

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

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 23.10.26252.0 (Recommended)

Fixes

This product fixed an issue that caused the collecting minidump process to crash while the device was initializing.

Supported Devices and Features

This driver supports the following network adapters:

- 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: 23.10.26252.0 (Recommended)

Fixes

This product fixed an issue that caused the collecting minidump process to crash while the device was initializing.

Supported Devices and Features

This driver supports the following network adapters:

- 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 8 (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

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux 8 update 8 (x86_64) supported by this binary rpm are:
4.18.0-477.10.1.el8_8 - (x86_64) and future update kernels.

HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 9 Update 2 (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

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux 9 update 2 (x86_64) supported by this binary rpm are:
5.14.0-284.11.1.el9_2 - (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 8 (x86_64)

Version: 23.10-1.1.9.1 (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

The following issues have been fixed in version 23.10-1.1.9.1:

- An error was triggered in case devlink reload was attempted when there were allocated subfunctions.
- Changing the steering mode to firmware steering was unsupported for policy IPsec rules.

Enhancements

No changes or new features included in version 23.10-1.1.9.1.

Supported Devices and Features

SUPPORTED KERNELS:

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

- 4.18.0-477.10.1.el8_8 (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 9 Update 2 (x86_64)

Version: 23.10-1.1.9.1 (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

The following issues have been fixed in version 23.10-1.1.9.1:

- An error was triggered in case devlink reload was attempted when there were allocated subfunctions.
- Changing the steering mode to firmware steering was unsupported for policy IPsec rules.

Enhancements

No changes or new features included in version 23.10-1.1.9.1.

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux 9 update 2 (x86_64) supported by this binary rpm are:

- 5.14.0-284.11.1.el9_2 - (x86_64) and future update kernels.

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

Version: 8.74.0.1-1 (Recommended)

Important Note!

Linux Driver Version

Linux qed 8.74.0.0

Linux qede 8.74.0.0

Linux qedr 8.74.0.0

Linux qedi 8.74.0.0

Linux qedf 8.74.0.1

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_8.65.09_pldm.fwpkg) version 8.65.09 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.

Fixes

This product fixes an issue where kernel panic with call trace in qedf_ctx_soft.

Enhancements

This product now supported for Red Hat Enterprise Linux 8 update 9.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 9

Version: 8.74.0.1-1 (Recommended)

Important Note!

Linux Driver Version

Linux qed 8.74.0.0

Linux qede 8.74.0.0

Linux qedr 8.74.0.0

Linux qedi 8.74.0.0

Linux qedf 8.74.0.1

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_8.65.09_pldm.fwpkg) version 8.65.09 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.

Fixes

This product fixes an issue where kernel panic with call trace in qedf_ctx_soft.

Enhancements

This product now supported for Red Hat Enterprise Linux 9 update 3.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

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

Version: 8.72.11.0 (Recommended)

Important Note!

HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.50 or later.

Fixes

This product correct an issue which fixed an issue that VMs lose connectivity and system freezes with Windows Azure HCI.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

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

Version: 2024.03.00 (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 CPOxxxxx.xml file.

HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.18.50 or later.

Fixes

This product correct an issue which removed all legacy RSS/DRSS module params information for ESXi 7.0 or later.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

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

Version: 2024.03.00 (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 4.18.50 or later.

Fixes

This product correct an issue which fixed PSOD that keep DRSS module parameter disabled.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

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

Version: 7.15.17-7 (Recommended)

Important Note!

Driver Version

cnic 2.5.21k

bnx2 2.2.6g

bnx2x 1.715.21

bnx2i 2.11.30.3

bnx2fc 2.12.24

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.34.0 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 enhanced the compatibility with Linux firmware component 2.34.0.
- This product now supported for Red Hat Enterprise Linux 8 update 9.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 530SFP+ Adapter
- HP Ethernet 10Gb 2-port 530T Adapter

HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 9

Version: 7.15.17-7 (Recommended)

Important Note!

Driver Version

cnic 2.5.21k

bnx2 2.2.6g

bnx2x 1.715.21

bnx2i 2.11.30.3

bnx2fc 2.12.24

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.34.0 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 enhanced the compatibility with Linux firmware component 2.34.0.
- This product now supported for Red Hat Enterprise Linux 9 update 3.

Supported Devices and Features

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 530SFP+ Adapter
- HP Ethernet 10Gb 2-port 530T Adapter

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.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel i350 Driver for Windows Server 2019

Version: 12.18.16.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Fixes

- This product correct an issue which fixes the device will be disabled and event ID 10400 after iPerf test.
- This product correct an issue which fixes link flapping while performing network traffic on the links of the network adapter.
- This product correct an issue which fixes unexpected transmission stop.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

Intel i350 Driver for Windows Server 2022

Version: 13.0.16.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Fixes

- This product correct an issue which fixes the device will be disabled and event ID 10400 after iPerf test.
- This product correct an issue which fixes link flapping while performing network traffic on the links of the network adapter.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

Intel i40ea Driver for Windows Server 2019

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This driver supports the following HPE Intel I40EA network adapters:

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

Intel i40ea Driver for Windows Server 2022

Version: 1.18.367.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.3.

Supported Devices and Features

This driver supports the following HPE Intel I40EA network adapters:

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

Intel ice Drivers for Red Hat Enterprise Linux 8

Version: 1.12.6-1 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.30 or later (version 4.31 for Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter), for use with these drivers.

Fixes

- This product correct an issue where the Linux Firmware update results in system hangs.
- This product correct an issue where when using certain DDP package versions, 802.1ad type VLANs might not be correctly enabled on SIOV or SR-IOV interfaces.
- This product correct a ptp4l kernel crash and several ptp related issues.
- This product correct an issue where the ice driver fails to remove the GNSS module properly on driver unload, resulting in a kernel panic.
- This product correct an issue where running traffic via Open vSwitch.
- This product correct an issue where a performance issue caused the GNSS write commands to be delayed and not delivered until the next commands appeared.
- This product correct an issue for Linux ice driver v1.7.16+ on E810 four-port devices where VF could not be created on certain high-core count platform.
- This product correct an issue where unloading a driver without a DDP profile would disable PF interfaces.

Enhancements

- This product now supports linux command to split port.
- This product now supports MSI-X vector allocation tuning by sysfs.

- This product now supports limiting the Maximum Bitrate for a Transmit Queue.
- This product now supports generic binary RPM starting from Red Hat Enterprise Linux 8.8.

Supported Devices and Features

This product supports the following network adapters:

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

Intel ice Drivers for Red Hat Enterprise Linux 9

Version: 1.12.6-1 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.30 or later (version 4.31 for Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK Adapter), for use with these drivers.

Fixes

- This product correct an issue where the Linux Firmware update results in system hangs.
- This product correct an issue where when using certain DDP package versions, 802.1ad type VLANs might not be correctly enabled on SIOV or SR-IOV interfaces.
- This product correct a ptp4l kernel crash and several ptp related issues.
- This product correct an issue where the ice driver fails to remove the GNSS module properly on driver unload, resulting in a kernel panic.
- This product correct an issue where running traffic via Open vSwitch.
- This product correct an issue where a performance issue caused the GNSS write commands to be delayed and not delivered until the next commands appeared.
- This product correct an issue for Linux ice driver v1.7.16+ on E810 four-port devices where VF could not be created on certain high-core count platform.
- This product correct an issue where unloading a driver without a DDP profile would disable PF interfaces.

Enhancements

- This product now supports linux command to split port.
- This product now supports MSI-X vector allocation tuning by sysfs.
- This product now supports limiting the Maximum Bitrate for a Transmit Queue.
- This product now supports generic binary RPM starting from Red Hat Enterprise Linux 9.2.

Supported Devices and Features

This product supports the following network adapters:

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

Intel icea Driver for Microsoft Windows Server 2022

Version: 1.13.242.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.30 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.3.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

- 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: 1.13.242.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.30 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.3.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

- 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: 2023.10.00 (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 CPOxxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.30 or later, for use with these drivers.

Fixes

- This product correct an issue which fixes PSOD that the Netdump fail to sent to target vCenter Server.
- This product correct an issue which fixes high pNIC error that triggered by driver reporting EIPE error is a false alarm.

Supported Devices and Features

This product supports the following network adapters:

- 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: 2023.10.00 (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 CPOxxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.30 or later, for use with these drivers.

Fixes

- This product correct an issue which fixes PSOD that the Netdump fail to sent to target vCenter Server.
- This product correct an issue which fixes high pNIC error that triggered by driver reporting EIPE error is a false alarm.

Supported Devices and Features

This product supports the following network adapters:

- 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: 23.10.26252.0 (Recommended)

Fixes

This product fixed an issue that caused the collecting minidump process to crash while the device was initializing.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter
- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter
- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022

Version: 23.10.26252.0 (Recommended)

Fixes

This product fixed an issue that caused the collecting minidump process to crash while the device was initializing.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter
- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter
- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 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 vibstap.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
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
P10112-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	MT_0000000241
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435
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: 07.726.03.00 (Recommended)

Enhancements

New release for version 07.726.03.00.

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux 8 (64-bit) supported by this binary rpm are:

4.18.0-193.el8- Red Hat Enterprise Linux 8 Update 2 (64-bit) and future errata kernels for update 2.

4.18.0-240.el8- Red Hat Enterprise Linux 8 Update 3 (64-bit) and future errata kernels for update 3.

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 9

Version: 07.726.03.00 (Recommended)

Enhancements

New release for version 07.726.03.00.

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 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.
- 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 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.
- 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: 2024.04.01 (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 ESXi7.0 driver version is 70.4600.0.115

Enhancements

- Made changes to enhance the testability of the driver. Changes do not impact end customers.
-

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

Version: 2024.04.01 (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 ESXi8.0 driver version is 80.4600.0.115

Enhancements

- Made changes to enhance the testability of the driver. Changes do not impact end customers.
-

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

Version: 2.1.26-030 (Recommended)

Fixes

- Fixed issue where the OS retained the size of the original logical drive after a logical drive size expansion operation, occurring under very rare conditions.

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux8 (64-bit) supported by this binary rpm are:
-default- Red Hat Enterprise Linux 8 Update 0 (64-bit).

HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)

Version: 2.1.26-030 (Recommended)

Fixes

- Fixed issue where the OS retained the size of the original logical drive after a logical drive size expansion operation, occurring under very rare conditions.

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux9 (64-bit) supported by this binary rpm are:
-default- Red Hat Enterprise Linux 9 Update 0 (64-bit).

HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022

Version: 1010.84.0.1012 (Recommended)

Enhancements

- Fixed the inconsistent I/O errors observed in MPIO enabled physical drives during cable plug/unplug events in multipath scenarios.

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

Version: 9.4.9.21 (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 9.4.9.21

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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: 9.4.9.21 (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 9.4.9.21

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.2.589.21 (b) (Recommended)

Important Note!

Release notes:

Broadcom Release notes

Rewrite of same Driver version has to be performed using --reinstall option

Example: `rpm -Uvh elx-lpfc-kmp-default-<version>.<OSupdate>.x86_64.rpm --reinstall`

The Driver is FIPs Enabled

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 14.2.589.21-1

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

The Driver Component is FIPs Enabled

Enhancements

Added support for:

RedHat Enterprise Linux 8.9
RedHat Enterprise Linux 9.3
Updated to driver version 14.2.589.21-1
The Driver is FIPs Enabled

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 10.02.11.00-k1 (b) (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

NOTE:

1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpeqlogic" driver are supported.

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 10.02.11.00_k1

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

This Driver is FIPs enabled.

Enhancements

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 10.02.11.00-k1

This Driver is FIPs enabled.

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Red Hat Enterprise Linux 9 Server Update 2 Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter

Version: 14.2.589.21 (b) (Recommended)

Important Note!

Release notes:

Broadcom Release notes

Rewrite of same Driver version has to be performed using --reinstall option

Example: rpm -Uvh elx-lpfc-kmp-default-<version>.<OSupdate>.x86_64.rpm --reinstall

The Driver is FIPs Enabled

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 14.2.589.21-1

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

The Driver Component is FIPs Enabled

Enhancements

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 14.2.589.21-1

The Driver is FIPs Enabled

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

Red Hat Enterprise Linux 9 update 2 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.11.00-k1 (b) (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

NOTE:

1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 10.02.11.00-k1

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

Fixes

This Driver is FIPs enabled.

Enhancements

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to driver version 10.02.11.00-k1

This Driver is FIPs enabled.

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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 (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 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 (E) (Optional)

Enhancements

- Updated SBOM requirement

Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit

Version: 9.15.1.248 (E) (Optional)

Enhancements

- Updated SBOM requirement

Broadcom Firmware Package for BCM5741x adapters

Version: 228.1.111.0 (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 228.0.121.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-228.0.133.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.03.00 or later

Fixes

- This product fixed the failure capture of connection status in IML log due to RDE entry not properly implemented.
- This product fixed the problem that some RDE address management properties could not be applied simultaneously.
- This product fixed the sequence to store PLDM Monitoring and Control events before BMC's SetEventReceiver command.

- This product fixed the problem of port Reset command not forcing 10G module to shut down link properly.
- This product fixed the problem of PFC flood if shutdown the system while running RoCE traffic.
- This product fixed the fix of NC-SI Get NC Capabilities and Settings response MaxPFs value.
- This product fixed the restriction of PF/VF bar sizes to valid values.
- This product fixed random Whp-livepatch failure due to out-of-order function.

Supported Devices and Features

This product supports the following network adapters:

Broadcom Firmware Package for BCM5750x adapters

Version: 228.1.111.0 (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 228.0.121.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-228.0.133.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.03.00 or later

Fixes

- This product fixed RoCE read_context HWRM fails for CQ.
- This product fixed SRv6 Tunnel Alloc failure.
- This product fixed NVRAM failure when simultaneous NVRAM reads and write/erase operations.
- This product fixed the problem of adding VF to VM resulted in the offloaded flows from being offloaded.
- This product fixed the problem of promisc filter not being removed if created with a default vlan.

Supported Devices and Features

This product supports the following network adapters:

- 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 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.36.0 (Recommended)

Important Note!

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

Prerequisites

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

Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the

firmware update.

- Follow the command line to bring up ethernet device:

```
# ifup ethX or ifconfig ethX up or wicked ifup ethX
```

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 now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.37.0 (Recommended)

Important Note!

This software package contains combo image v20.28.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.42	21.6.2	1.5.49	21.6.66

Prerequisites

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

Enhancements

This product now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.0.0 (Recommended)

Important Note!

HPE recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.5.0 (D) or later, for use with this firmware.

This software package contains combo image v20.28.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.48	21.6.2	1.5.52	21.6.66
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.42	21.6.2	1.5.49	21.6.66

Prerequisites

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

Enhancements

This product now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters

Version: 228.1.111000 (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 Broadcom NetXtreme-E Drivers for Windows Server , version 228.0.121.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-228.0.133.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.03.00 or later

Fixes

- This product fixed the sequence to store PLDM Monitoring and Control events before BMC's SetEventReceiver command.
- This product fixed the problem of port Reset command not forcing 10G module to shut down link

properly.

- This product fixed the problem of PFC flood if shutdown the system while running RoCE traffic.
- This product fixed NC-SI Get NC Capabilities and Settings response MaxPFs value.
- This product fixed the restriction of PF/VF bar sizes to valid values.
- This product fixed random Whp-livepatch failure due to out-of-order function.
- This product fixed the failure capture of connection status in IML log due to RDE entry not properly implemented for WH+.
- This product fixed the problem that some RDE address management properties could not be applied simultaneously for WH+.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Linux x86_64

Version: 1.19.0 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Drivers for Linux, versions 1.10.2-228.0.133.0 or later, for use with this firmware.

Prerequisites

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

Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the firmware update.

- Follow the command line to bring up ethernet device:

```
# ifup ethX or ifconfig ethX up or wicked ifup ethX
```

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/

Fixes

- This product fixed the problem of port Reset command not forcing 10G module to shut down link properly.
- This product fixed the problem of PFC flood if shutdown the system while running RoCE traffic.
- This product fixed NC-SI Get NC Capabilities and Settings response MaxPFs value.
- This product fixed the restriction of PF/VF bar sizes to valid values.

- This product fixed random Whp-livepatch failure due to out-of-order function.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware

Version: 5.21.0 (Recommended)

Important Note!

HPE recommends HPE Broadcom NetXtreme-E Drivers for VMware, versions 2024.03.00 or later, for use with this firmware.

This software package contains NVM Image version 228.1.111000 with the following firmware versions:

NIC

Bootcode Version	NCSI Version	MBA Version	UEFI Version	CCM Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.130.0	228.0.116.0	228.0.128.0	228.0.128.0	228.0.116.0
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					

Prerequisites

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

Fixes

- This product fixed the problem of port Reset command not forcing 10G module to shut down link

properly.

- This product fixed the problem of PFC flood if shutdown the system while running RoCE traffic.
- This product fixed NC-SI Get NC Capabilities and Settings response MaxPFs value.
- This product fixed the restriction of PF/VF bar sizes to valid values.
- This product fixed random Whp-livepatch failure due to out-of-order function.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.0.0 (Recommended)

Important Note!

HPE recommends HPE Broadcom NetXtreme-E Driver for Windows, versions 228.0.121.0 or later, for use with this firmware.

This software package contains NVM Image version 228.1.111000 with the following firmware versions:

Bootcode Version	NCSI Version	MBA Version	UEFI Version	CCM Version	RoCE Version
HPE Ethernet 10Gb 2-port 535FLR-T Adapter	228.0.130.0	228.0.116.0	228.0.128.0	228.0.128.0	228.0.116.0
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					

Prerequisites

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

Fixes

- This product fixed the problem of port Reset command not forcing 10G module to shut down link properly.
- This product fixed the problem of PFC flood if shutdown the system while running RoCE traffic.
- This product fixed NC-SI Get NC Capabilities and Settings response MaxPFs value.
- This product fixed the restriction of PF/VF bar sizes to valid values.
- This product fixed random Whp-livepatch failure due to out-of-order function.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 2.36.0 (Recommended)

Important Note!

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

Prerequisites

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

Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the firmware update.

- Follow the command line to bring up ethernet device:

```
# ifup ethX or ifconfig ethX up or wicked ifup ethX
```

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 now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

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

Version: 1.37.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen10 server series.

This software package contains combo image v20.28.41 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	1.48	21.6.2	1.5.52	21.6.66
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.42	21.6.2	1.5.52	21.6.66

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 now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

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

Version: 5.4.0.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen10 server series.

HPE recommends HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.5.0 (D) or later, for use with this firmware.

This software package contains combo image v20.28.41 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	1.48	21.6.2	1.5.52	21.6.66
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.42	21.6.2	1.5.52	21.6.66

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 now supports GetPackageStatus NCSI Command.

Supported Devices and Features

This product supports the following network adapters:

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

Version: 5.3.6.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen9 and Gen10 server series.

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

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3437.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000E3EC	1.3437.0	11.1.5
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3437.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000E3EB	1.3437.0	11.1.5

HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3437.0	10.55.3
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The combo image v1.3437.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.51, 40GbE - v1.1.44 & UEFI Drivers: 1GbE - v9.8.33, 10GbE - v8.2.13, 40GbE - v4.9.70 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:

HPE Ethernet 1Gb 2-port 361i Adapter

- The latest firmware version of above adapters, please refer to the link :
https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d015069d4b3f478980db3a7ff3&tab=releaseNote

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

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

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

Version: 1.29.0 (B) (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen9 and Gen10 server series.
HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:
- HPE Intel igb Drivers for Linux, versions 6.14.16-1 or later
- HPE Intel ixgbe Drivers for Linux , versions 5.19.6-1 or later
- HPE Intel i40e Drivers for Linux, versions 2.23.17-1 or later

Prerequisites

This package requires the appropriate driver for your network adapter to be installed and all Ethernet ports brought up before firmware can be updated.

- Follow the command line to bring up ethernet device:
ifup ethX or ifconfig ethX up or wicked ifup ethX
- 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.

Supported Devices and Features

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

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

Version: 3.22.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen9 and Gen10 server series.

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

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3437.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3437.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000E3EC	1.3437.0	11.1.5
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3437.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000E3EB	1.3437.0	11.1.5
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3437.0	10.55.3

The combo image v1.3437.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.51, 40GbE - v1.1.44 & UEFI Drivers: 1GbE - v9.8.33, 10GbE - v8.2.13, 40GbE - v4.9.70 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:

HPE Ethernet 1Gb 2-port 361i Adapter

- 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_4e84847286af4760911448c7a0&tab=releaseNote

Prerequisites

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

Fixes

This product addresses an issue where running the firmware update command (`./Execute_Component -s`) only updates the OROM.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.09 (B) (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 8.74.0.1-1 or later
 - HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.11.0 or later
 - HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2024.03.00 or later
- This software package contains combo image v8.65.09. This combo image includes: Boot Code (MFW): 8.65.4.0, PXE:2.0.19, and UEFI: 4.1.13.1.

Fixes

This product addresses the issue of inconsistent metadata within the component products.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64

Version: 1.23.50 (B) (Recommended)

Important Note!

HPE recommends HPE QLogic FastLinQ 10/25/50GbE Drivers for Linux, versions 8.72.5.0-1 or later, for use with the firmware in this product.

This software package contains combo image version v8.65.09 includes:

- Boot Code (MFW): 8.65.4.0
- UEFI: 4.1.13.1
- PXE: 2.0.19

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

Prerequisites

This package requires the appropriate driver for your network adapter to be installed and all Ethernet ports brought up before firmware can be updated.

- Follow the command line to bring up ethernet device:

```
# ifup ethX or ifconfig ethX up or wicked ifup ethX
```

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/`

Fixes

This product addresses an issue where BSOD is seen.

Enhancements

This product now supports FIPS mode.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware

Version: 4.18.50 (Recommended)

Important Note!

HPE recommends HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware, versions 2023.12.00 or later, for use with this firmware.

This software package contains combo image version v8.65.09 includes:

- Boot Code (MFW): 8.65.4.0
- UEFI: 4.1.13.1
- PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/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.

Fixes

This product addresses an issue where BSOD is seen.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

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

Version: 5.3.5.50 (Recommended)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- HPE QLogic FastLinQ 10/25/50GbE Driver for Windows Server x64 Editions, versions 8.72.1.0

This software package contains combo image version v8.65.09 includes:

- Boot Code (MFW): 8.65.4.0
- UEFI: 4.1.13.1
- PXE: 2.0.19

The users will only see the combo image versions in the interactive mode firmware update or while using HPSUM/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.

Fixes

This product addresses an issue where BSOD is seen.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.34.0 (Recommended)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.15.17-7 or later, for use with the firmware in this package.

Prerequisites

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.

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

Fixes

This product addresses an issue that FCoE Boot Target issue.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.34.0 (Recommended)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2024.03.00 or later, for use with this firmware.

This software package contains combo image v7.19.21 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	7.16.14	7.14.13	8.9.3	n/a	n/a	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.

Fixes

This product addresses an issue that FCoE Boot Target issue.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter

- HPE Ethernet 10Gb 2-port 530T Adapter

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

Version: 5.3.6.0 (Recommended)

Important Note!

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- 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 v7.19.21 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	7.16.14	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 530T Adapter							

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.

Fixes

This product addresses an issue that FCoE Boot Target issue.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

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

Version: 4.30 (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 1.13.242.0 or later
- Intel ice Drivers for Linux, version 1.12.6-1 or later
- Intel icen Driver for VMware, version 2023.10.00 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

Enhancements

This product enhanced the compatibility with icea driver.

Supported Devices and Features

This product supports the following network adapters:

- 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: 4.30 (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 1.13.242.0 or later
- Intel ice Drivers for Linux, version 1.12.6-1 or later
- Intel icen Driver for VMware, version 2023.10.00 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

Enhancements

This product enhanced the compatibility with icea driver.

Supported Devices and Features

This product supports the following network adapters:

- 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: 4.30 (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 1.13.242.0 or later
- Intel ice Drivers for Linux, version 1.12.6-1 or later
- Intel icen Driver for VMware, version 2023.10.00 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

Enhancements

This product enhanced the compatibility with icea driver.

Supported Devices and Features

This product supports the following network adapters:

- 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: 4.30 (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 1.13.242.0 or later
- Intel ice Drivers for Linux, version 1.12.6-1 or later
- Intel icen Driver for VMware, version 2023.10.00 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

Enhancements

This product enhanced the compatibility with ica driver.

Supported Devices and Features

This product supports the following network adapters:

- 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: 4.30 (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 1.13.242.0 or later
- Intel ice Drivers for Linux, version 1.12.6-1 or later
- Intel icen Driver for VMware, version 2023.10.00 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

Enhancements

This product enhanced the compatibility with ica driver.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.29.0 (B) (Optional)

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.
- This product enhanced the FIPs mode supported

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Intel Online Firmware Upgrade Utility for VMware

Version: 3.22.0 (Recommended)

Important Note!

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

NIC	EEPROM/NV M Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000E5DB	1.3429.0	9.3
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000E5EC	1.3429.0	9.3
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3429.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	800011EF	1.3429.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3429.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3429.0	N/A

The combo image v1.3429.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.51, 40GbE - v1.1.44 & UEFI Drivers: 1GbE - v9.8.33, 10GbE - v8.2.13, 40GbE - v4.9.70

Prerequisites

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

Fixes

This product addresses an issue where running the firmware update command (./Execute_Component -s) only updates the OROM.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.3.6.0 (Recommended)

Important Note!

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

NIC	EEPROM/NV M Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000E5DB	1.3429.0	9.3
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000E5EC	1.3429.0	9.3
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3429.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	800011EF	1.3429.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3429.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3429.0	N/A

The combo image v1.3429.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.51, 40GbE - v1.1.44 & UEFI Drivers: 1GbE - v9.8.33, 10GbE - v8.2.13, 40GbE - v4.9.70

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

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Version: 26.39.1002 (Recommended)

Important Note!

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A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26391002/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

The following issues have been fixed in version 26.39.1002:

- Migration data corruption occurred when running parallel save_vhca_state/load_vhca_state commands on the same PF.

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.

New features and changes included in version 26.39.1002:

- Updated the number of channels (ports) that are displayed in the iLO from 1 to 2 (num_channels_per_pkg=2) for dual port adapter cards.
- Added a locking mechanism to protect the firmware from a race condition between insertion and deletion of the same rule in parallel. Such behavior occasionally resulted in firmware accessing a memory that has already been released, thus causing IOMMU / translation error.
Note: This change will not impact insertion rate for tables owned by SW steering.
- Added a caching mechanism to improved expansion ROM performance and to avoid any slow boot occurrences when loading the expansion ROM driver.
- Added support for image size above 4GB when performing a live migration by splitting the image to chunks.
- Extended the role-based authentication to cover all crypto algorithms. Now the TLS, IPsec, MACsec, GCM, mem2mem, and NISP work when nv_crypto_conf.crypto_policy = CRYPTO_POLICY_FIPS_LEVEL_2, meaning all cryptographic engines can also work in wrapped mode and not only in plaintext mode.
- Programmable Congestion Control is now the default CC mechanism. ZTR_RTCC is the default CC algorithm when ECE is enabled and the CC algorithm negotiation succeeds, otherwise PCC DCQCN will be used.
- Added new support for reserved mkey index range. When enabled, a range of mkey indexes is reserved for mkey by name use.

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: 26.39.1002 (Recommended)

Important Note!

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A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26391002/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

The following issues have been fixed in version 26.39.1002:

- Migration data corruption occurred when running parallel save_vhca_state/load_vhca_state commands on the same PF.

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.

New features and changes included in version 26.39.1002:

- Updated the number of channels (ports) that are displayed in the iLO from 1 to 2 (num_channels_per_pkg=2) for dual port adapter cards.
- Added a locking mechanism to protect the firmware from a race condition between insertion and deletion of the same rule in parallel. Such behavior occasionally resulted in firmware accessing a memory that has already been released, thus causing IOMMU / translation error.

Note: This change will not impact insertion rate for tables owned by SW steering.

- Added a caching mechanism to improved expansion ROM performance and to avoid any slow boot occurrences when loading the expansion ROM driver.
- Added support for image size above 4GB when performing a live migration by splitting the image to chunks.
- Extended the role-based authentication to cover all crypto algorithms. Now the TLS, IPsec, MACsec, GCM, mem2mem, and NISP work when `nv_crypto_conf.crypto_policy = CRYPTO_POLICY_FIPS_LEVEL_2`, meaning all cryptographic engines can also work in wrapped mode and not only in plaintext mode.
- Programmable Congestion Control is now the default CC mechanism. ZTR_RTCC is the default CC algorithm when ECE is enabled and the CC algorithm negotiation succeeds, otherwise PCC DCQCN will be used.
- Added new support for reserved mkey index range. When enabled, a range of mkey indexes is reserved for mkey by name use.

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 HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.40.1000 (Recommended)

Important Note!

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

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
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 -	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE

InfiniBand				
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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A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/connectx6firmwarev20401000/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

The following issues have been fixed in version 20.40.1000:

- RDE LLDPTxmit ChassisID was occasionally not represented correctly.

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.

No New features or changes have been included in version 20.40.1000.

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.39.1002 (Recommended)

Important Note!

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A list of known issues with this release is available at:

<https://docs.nvidia.com/networking/display/connectx6dxfirmwarev22391002/known+issues>

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

The following issues have been fixed in version 22.39.1002:

- Migration data corruption occurred when running parallel save_vhca_state/load_vhca_state commands on the same PF.

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.

New features and changes included in version 22.39.1002:

- 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.
- Added a locking mechanism to protect the firmware from a race condition between insertion and deletion of the same rule in parallel. Such behavior occasionally resulted in firmware accessing a memory that has already been released, thus causing IOMMU / translation error.

Note: This change will not impact insertion rate for tables owned by SW steering.

- Enabled live migration for virtio with mergeable buffer.
- Added a caching mechanism to improved expansion ROM performance and to avoid any slow boot occurrences when loading the expansion ROM driver.
- Added support for image size above 4GB when performing a live migration by splitting the image to chunks.
- Extended the role-based authentication to cover all crypto algorithms. Now the TLS, IPsec, MACsec, GCM, mem2mem, and NISP work when nv_crypto_conf.crypto_policy = CRYPTO_POLICY_FIPS_LEVEL_2, meaning all cryptographic engines can also work in wrapped mode and not only in plaintext mode.
- Programmable Congestion Control is now the default CC mechanism. ZTR_RTCC is the default CC algorithm when ECE is enabled and the CC algorithm negotiation succeeds, otherwise PCC DCQCN will be used.
- Added new support for reserved mkey index range. When enabled, a range of mkey indexes is reserved for mkey by name use.

Supported Devices and Features

HPE Part	Mellanox Ethernet Only Adapters	PSID
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Number		
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0

Version: 1.0.7 (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

The following issues have been fixed in version 20.40.1000:

- RDE LLDPTxmit ChassisID was occasionally not represented correctly.

Enhancements

Firmware for the following devices has been updated to 20.40.1000:

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.

No New features or changes have been included in version 20.40.1000.

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0

Version: 1.0.3 (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

The following issues have been fixed in version 20.40.1000:

- RDE LLDPTransmit ChassisID was occasionally not represented correctly.

Enhancements

Firmware for the following devices has been updated to 20.40.1000:

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.

No New features or changes have been included in version 20.40.1000.

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform

Version: 1.0.12 (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

The following issues have been fixed in version 20.40.1000:

- RDE LLDPTransmit ChassisID was occasionally not represented correctly.

Enhancements

Firmware for the following devices has been updated to 20.40.1000:

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.

No New features or changes have been included in version 20.40.1000.

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)

ConnectX6 devices on Windows x86_64 platform

Version: 1.0.0.9 (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

The following issues have been fixed in version 20.40.1000:

- RDE LLDPTransmit ChassisID was occasionally not represented correctly.

Enhancements

Firmware for the following devices has been updated to 20.40.1000:

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.

No New features or changes have been included in version 20.40.1000.

Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (B) (Recommended)

Fixes

- Support firmware flash in OS FIPS enabled mode.

Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (B) (Recommended)

Fixes

- Support firmware flash in OS FIPS enabled mode.

Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (B) (Recommended)

Fixes

- Support firmware flash in OS FIPS enabled mode.

Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (Recommended)

Important Note!

- 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

- Prioritize disabling Non-Fatal Error reporting at the beginning of FLR processing.
- Fix known FW bug PI/CI indexing issue.
- Support firmware flash in OS FIPS enabled mode.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (Recommended)

Important Note!

- 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

- Prioritize disabling Non-Fatal Error reporting at the beginning of FLR processing
- Fix known FW bug PI/CI indexing issue

Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe) timed out.

Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe) timed out.

Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe) timed out.

Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe) timed out.

Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe) timed out.

Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (Recommended)

Fixes

- Fix for BSOD issue due to SRIS misdetection and FW Commit command via PCIe VDM (MCTP OVER PCIe)

timed out.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNC Drives

Version: HPK5 (Recommended)

Important Note!

- 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

- Prioritize disabling Non-Fatal Error reporting at the beginning of FLR processing
- Fix known FW bug PI/CI indexing issue

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 (Recommended)

Enhancements

Version 1.1.4 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

Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTK, VO001920JWTK, VO003840JWTK, VO007680JWTK, MO000400JWTK, MO000800JWTK, MO001600JWTK, MO003200JWTK, MO006400JWTK, EO000400JWTK, EO000800JWTK and EO001600JWTK 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.

Fixes

- Fix for unrecovered errors which may occur on the targeted Blocks of Wear-leveling process when host issues Read command.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDK, MB012000JYDK, MB014000JYDK, MB016000JYDK and MB018000JYDK Drives

Version: HPD3 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (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.

Fixes

- Improves performance in certain file systems and implements fixes for several of the previous firmware's shortcomings.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (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.

Fixes

- High Security Enablement support FIPs

Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (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.

Fixes

- Fix for unrecovered errors which may occur on the targeted Blocks of Wear-leveling process when host issues Read command.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.

Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKB 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.
- 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.

Fixes

- Fix for unrecovered errors which may occur on the targeted Blocks of Wear-leveling process when host issues Read command.

Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (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.

Fixes

- Improves performance in certain file systems and implements fixes for several of the previous firmware's shortcomings.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs.

Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (Recommended)

Fixes

- Firmware contains fix for bug that may cause drive to perform self-initiated reset in systems where

maximum queue depth of 128 is exceeded.

Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (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.

Fixes

- Fix for unrecovered errors which may occur on the targeted Blocks of Wear-leveling process when host issues Read command.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (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.

Fixes

- Improves performance in certain file systems and implements fixes for several of the previous firmware's shortcomings.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (Recommended)

Fixes

- Firmware contains fix for bug that may cause drive to perform self-initiated reset in systems where maximum queue depth of 128 is exceeded.

Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTB and MB020000JXMTP Drives

Version: HPD2 (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.

Fixes

- Assert fixes, logging enhancements and all current firmware improvements and bug fixes.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTLB, VO003840JWTLN, VO007680JWTLB, MO000400JWTLQ, MO000800JWTLR, MO001600JWTLT, MO003200JWTLU, MO006400JWTLCD, EO000400JWTLV, EO000800JWTLCA and EO001600JWTLCB Drives

Version: HPDB (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.

Fixes

- Fix for unrecovered errors which may occur on the targeted Blocks of Wear-leveling process when host issues Read command.

Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (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.

Fixes

- Fix for unrecovered errors which 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 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (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 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.

Fixes

- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (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.

Fixes

- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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.

Fixes

- Improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide a minor performance improvement.
- Support firmware flash in OS FIPS enabled mode.

Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.

Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (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.

Fixes

- Optimize thermal maximum continuous operation temperature values

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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.

Fixes

- Improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide a minor performance improvement.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (Recommended)

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (Recommended)

Fixes

- Optimize thermal maximum continuous operation temperature values

Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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.

Fixes

- Improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide a minor performance improvement.

Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (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.

Fixes

- Update maximum continuous operation temperature values for host thermal management and reporting.
- Assert fixes, logging enhancements and all current firmware improvements.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5379 (Critical)

Fixes

Fix an issue that JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5379 (Critical)

Fixes

Fix an issue that JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5379 (Critical)

Fixes

Fix an issue that JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5379 (Critical)

Fixes

Fix an issue that JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P416ie-m and P816i-a SR Gen10 and Gen11 controllers

Version: 6.52 (B) (Recommended)

Enhancements

Support DL20 and ML30 Gen10 server.

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!

Current firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.0.14.1063 in below link:

- 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>

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

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.

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

Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5379 (Critical)

Important Note!

- 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 JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5379 (Critical)

Important Note!

- 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 JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5379 (Critical)

Important Note!

- 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 JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5379 (Critical)

Important Note!

- 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 JBOD LED locate from host tools not working properly.

Enhancements

Handle outstanding host commands during firmware flash. This enhancement resolves the potential firmware brick issue in a00136673en_us.

Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10

Version: 6.52 (B) (Recommended)

Enhancements

Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10

Version: 6.52 (Recommended)

Fixes

- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Fixed an issue with the SmartCache logical drive.
- Fixed issues with expander firmware upgrade.
- Fixed issues with RBOD devices.
- Fixed a potential controller lockup issue while deleting a logical drive configuration on a controller.
- Resolved an issue by allowing MCTP re-discovery exclusively during the first Bus Master Enable set.
- Fixed UEFI HII unreadable characters in Chinese language.
- Fixed an issue where WriteCacheProtected alert is sometimes not generated.

Enhancements

- Added support to save controller logs in host memory in the event of a system crash.
- Added support for remote-managed SED rekey.
- Added support for Configurable Spindown Spares policy.
- Added support for the permanent disablement of unused IOBAR support in PCIe configuration space.
- Enhance Redfish interfaces:
 - support DELETE for a Volume resource which is not the last created on a given array.
 - support DELETE for the last remaining Volume on an array which has SED encryption enabled.
 - support #Storage.ResetToDefaults with ResetType = ResetAll when encrypted volumes are present.
 - support AutoVolumeCreate property in Redfish Storage resource
 - support Links.Batteries property in Redfish StorageController resource

Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE

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.

Enhancements

- Support HPE ProLiant DL180 Gen10 Server

Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10

Version: 6.52 (Recommended)

Fixes

- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Fixed an issue with the SmartCache logical drive.
- Fixed issues with expander firmware upgrade.
- Fixed issues with RBOD devices.
- Fixed a potential controller lockup issue while deleting a logical drive configuration on a controller.
- Resolved an issue by allowing MCTP re-discovery exclusively during the first Bus Master Enable set.
- Fixed UEFI HII unreadable characters in Chinese language.
- Fixed an issue where WriteCacheProtected alert is sometimes not generated.

Enhancements

- Added support to save controller logs in host memory in the event of a system crash.
- Added support for remote-managed SED rekey.
- Added support for Configurable Spindown Spares policy.
- Added support for the permanent disablement of unused IOBAR support in PCIe configuration space.
- Enhance Redfish interfaces:
 - support DELETE for a Volume resource which is not the last created on a given array.
 - support DELETE for the last remaining Volume on an array which has SED encryption enabled.
 - support #Storage.ResetToDefaults with ResetType = ResetAll when encrypted volumes are present.
 - support AutoVolumeCreate property in Redfish Storage resource
 - support Links.Batteries property in Redfish StorageController resource

Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE 12Gb/s SAS Expander

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)

Version: 2023.10.01 (c) (Recommended)

Important Note!

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

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)

Fixes

This component is FIPs enabled.

Enhancements

This component is FIPs enabled.

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb 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: 2023.10.01 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

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 SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2023.10.01 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

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 SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2023.10.01 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

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 SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.2.589.19	14.2.589.19	14.2.589.16	14.2.566.0

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)

Version: 2023.10.01 (b) (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	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 target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

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.

Fixes

This component is FIPs enabled.

Enhancements

This component is FIPs enabled.

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	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

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0

Supported Devices and Features

This component is supported on following QLogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host	64Gb	02.09.07	09.14.01	7.36	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	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0

Supported Devices and Features

This component is supported on following QLogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	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	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.09.07	09.14.01	7.36	0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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 (Recommended)

Enhancements

Version 04.04.04.603 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 (Recommended)

Enhancements

Version 04.04.04.603 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 (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

Online ROM Flash for Linux - 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

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 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 Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers

Version: 2024.03.01 (Recommended)

Fixes

Agentless Management Service

- Fixed OID name hrSystemUptime is reported incorrectly

HPE iLO Driver Bundle Smart Component for ESXi 7.0

Version: 2024.03.00 (Recommended)

Fixes

This product addressed a memory leak in vmkernel.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11

Controllers

Version: 2024.04.01 (Recommended)

Important Note!

- Actual ESXi7.0 ssacli version is 6.30.8.0

Fixes

- Fixed issue of ADU report generation when using SSADUESXI within the VMWare ESXi system.
- Fixed the display issue with physical drives in the enclosure under the multipath configuration.
- Fixed issue where the tool allowed the Heal array operation on RMSED secured arrays when KMS is not active.
- Fixed issue where the tools would allow users to attempt Change Drive Type operations with 512/512e drives for 4Kn logical volumes.
- Fixed issue where users specified an incorrect encryption mode for a logical volume that did not match the existing mode on the array.
- Fixed issue where the operation to revert the SEDs to Original Factory State (OFS) was not being blocked when KMS is not available in remote SED mode.
- Fixed the volume creation issue when users specify the 'volatileencryptionkey' option while the Controller setting does not support it.
- Fixed issue of error message occurring when using the 'create type=arrayR0' command with 'drives=' and 'drivetype=' options.
- Fixed installation issue encountered when attempting to downgrade SSA CLI from versions 6.30.X.X to 6.15.X.X or 6.20.X.X.

Enhancements

- Added command to support the erasure of logs and events stored in the controller.
- Added command to support spare spin down policy setting if the feature is supported.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11

Controllers

Version: 2024.04.01 (Recommended)

Important Note!

- Actual ESXi8.0 ssacli version is 6.30.8.0

Fixes

- Fixed issue of ADU report generation when using SSADUESXI within the VMWare ESXi system.
- Fixed the display issue with physical drives in the enclosure under the multipath configuration.
- Fixed issue where the tool allowed the Heal array operation on RMSED secured arrays when KMS is not active.
- Fixed issue where the tools would allow users to attempt Change Drive Type operations with 512/512e drives for 4Kn logical volumes.
- Fixed issue where users specified an incorrect encryption mode for a logical volume that did not match the existing mode on the array.
- Fixed issue where the operation to revert the SEDs to Original Factory State (OFS) was not being blocked when KMS is not available in remote SED mode.
- Fixed the volume creation issue when users specify the 'volatileencryptionkey' option while the Controller setting does not support it.
- Fixed issue of error message occurring when using the 'create type=arrayR0' command with 'drives=' and 'drivetype=' options.
- Fixed installation issue encountered when attempting to downgrade SSACLI from versions 6.30.X.X to 6.15.X.X or 6.20.X.X.

Enhancements

- Added command to support the erasure of logs and events stored in the controller.
- Added command to support spare spin down policy setting if the feature is supported.

HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)

Version: 2023.12.01 (Recommended)

Enhancements

- 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.

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)

Version: 2023.12.01 (Recommended)

Enhancements

- 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.

HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions

Version: 1.2.1.68 (Recommended)

Fixes

Added new details for surface analysis

Enhancements

Support SHA384

HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters 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 5.3.82.0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2023.10.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters 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 5.4.82.0

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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: 14.2.589.11 (b) (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.)

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to version 14.2.589.11-1

The Enablement Kit is FIPs Enabled.

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.)

Fixes

The Driver is FIPs enabled

Enhancements

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated to version 14.2.589.11-1

The Enablement Kit is FIPs Enabled

Supported Devices and Features

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux

Version: 6.0.0.1-3 (b) (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

The Linux Enablement kit has been changed from "HP-CNA-FC-hpqlgc-Enablement-Kit" to "HPE-CNA-FC-hpeqlgc-Enablement-Kit". Upgrade from the older released Enablement kit is supported. However downgrade to earlier version "HP-CNA-FC-hpqlgc-Enablement-Kit" may not be successful and may report conflicts.

Example: rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --force --nodeps

rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --replacepkgs --nodeps

Example: rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --force -- nodeps

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated the kit to version 6.0.0.1-3

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Fixes

This component is FIPs enabled.

Enhancements

Added support for:

RedHat Enterprise Linux 8.9

RedHat Enterprise Linux 9.3

Updated the kit to version 6.0.0.1-3

This component is FIPs enabled.

Supported Devices and Features

This component is supported on following Qlogic Fibre Channel Host Bus adapters:

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

Agentless Management Service (iLO 5, iLO 6) for Red Hat Enterprise Linux 9 Server

Version: 3.5.0 (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.
- Requirements:
 - Minimum iLO 5 Firmware Version = 2.70
 - Minimum supported OS Versions = Red Hat Enterprise Linux 9
- Requirements:
 - Minimum iLO 6 Firmware Version = 1.10
 - Minimum supported OS Versions = Red Hat Enterprise Linux 9

Fixes

Fixed the following items:

- Fixed the issue where AMS was crashing after plugging and removing a USB drive Enhancements