

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 6.90 1

Readme

2023年12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

Microsoft および Windows Server は、米国 Microsoft Corporation 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。

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 VMware, Inc. の登録商標または商標です。

1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れまるとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for HA8000V 並びに本書の全部又は一部を単独で又は他の情報等と組み合わせ、直接又は間接に以下に該当する取扱いをする場合、「外国為替及び外交貿易」の規制及び米国輸出管理規制等外国の輸出関連法規を確認し、適正な手続きを行う必要があります。
 - 輸出するとき。
 - 海外へ持ち出すとき。
 - 非居住者へ提供し、又は使用させるとき。
 - 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。
- (7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも含めてご参照ください。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
2023年12月	初版

2. Service Pack for HA8000V (SPH)について

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

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

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

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

3. 適用機種及びOS

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

3.1 適用機種

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

3.2 適用 OS

- Microsoft® Windows Server® 2022
- Microsoft® Windows Server® 2019
- 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

➤ VMware ESXi™ 8.0

(2) 追加サポートデバイス

➤ Intel E810-CQDA2 adapter

(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

➤ Red Hat® Enterprise Linux® Server 8.6

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]ー[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」

(Selected) ボタン表示となります。ボタンをクリックすると、選択が解除され「選択」(選択)「Select」(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」(強制)または「Force」(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」(強制)「Forced」(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。

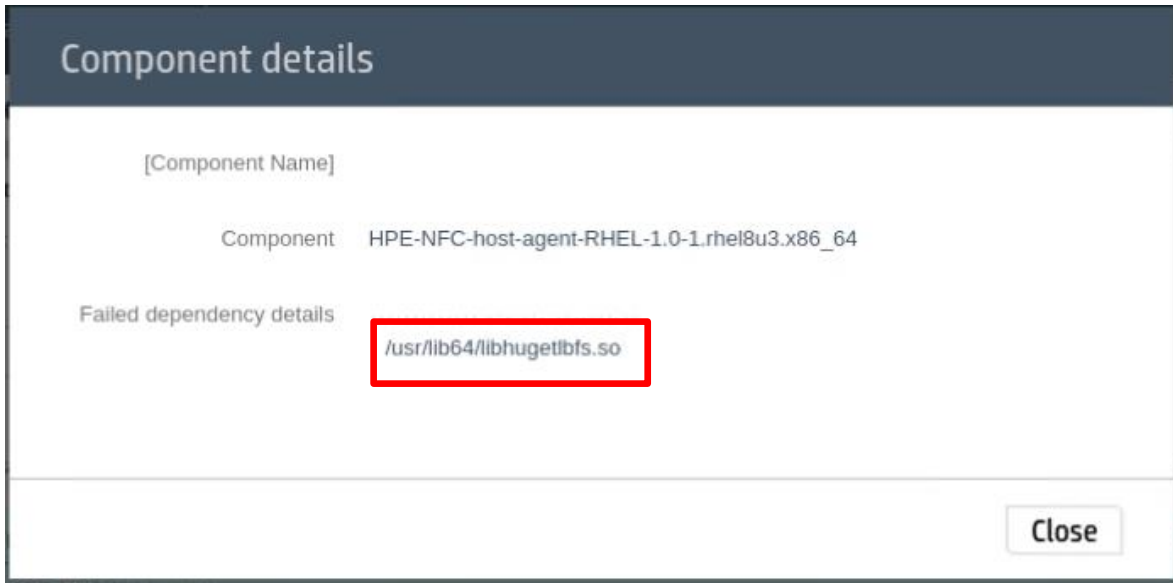
なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

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



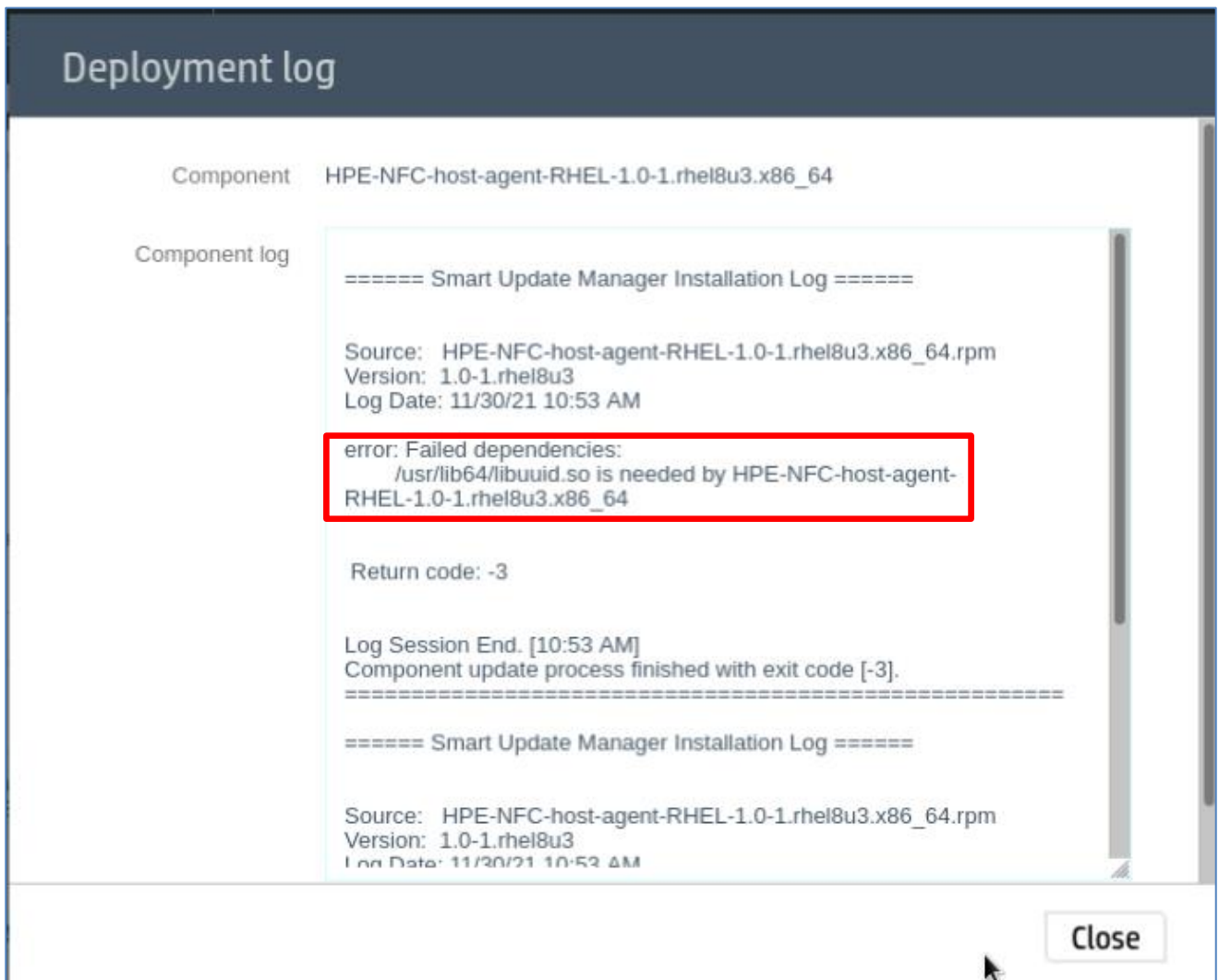
上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

【展開(Deploy)完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



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



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

(6) iLO レポジトリを利用したアップデートについて

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

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

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

【エラーが発生した場合のインストールキューの状態】

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

す。

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

ファームウェア & OSソフト... - インストールキ...

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

インストールキュー

iLO日付/時刻(UTC): 2021-12-01 13:09

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

すべて削除

ファームウェアのアップデート

iLOレポジトリにアップロード

キューに追加

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

(7) SUM 実行でのインベントリ失敗時の対応について

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

【インベントリ失敗時の表示例】

手順 1 インベントリ **手順 2** レジュー **手順 3** 展開

ベースラインおよびノードのインベントリ

▼ ベースラインのインベントリ

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

▼ ローカルホストのインベントリ

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

次へ **中止** **最初からやり直す** **再起動**

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

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

※x.xx の部分にはバージョンが入ります。

(8) DVD 容量を超えた SPH 媒体の作成について

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

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

【USB Key Utility 使用上の注意】

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

【USB キー作成手順】

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

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

5.4 SUM でのランゲージパックバージョン表示と適用について

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

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

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

5.5 SUM での iLO を使用したランゲージパック適用に関する制限事項

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

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

※：対象ノードが VMware の場合は使用不可

【iLO WEB インタフェースからの更新手順】

- (1) 以下の手順で、事前に SPH package ファイルからランゲージパックファイルを取り出してください。
Windows 上で、SPH の packages ディレクトリ下にある、『6.2.10 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。

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	cp057456.zip	sutComponent_701.4.5.0.9-*.zip
2	VMware ESXi™ 8.0	cp057459.zip	sutComponent_800.4.5.0.22-*.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。

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

- (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)

① iSUT への認証情報設定

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

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

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

【注意】

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

② iLO のセキュリティ条件の変更

iLO で“ホスト認証が必要”を「無効」に設定します。

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

(2) iSUT の設定確認・変更

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

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

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

5.7.4 ドライバパラメータ再設定について

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

【対象製品及びドライバ種】

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

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

(*1)：□には製品構成などにより異なった英数字が入ります。

【再設定手順】

(1) ドライバパラメータの確認及び記録

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

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

<driver name>：アップデート前ドライバ種

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

(実行例) net-ixgbe の場合

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

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

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

(実行例) net-ixgbe の場合

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

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

(2) ドライバパラメータの再設定

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

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

yyyy：控えたドライバパラメータ

<driver name>：アップデート前ドライバ種

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

(実行例) ixgben の場合

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

(3) VMware ESXi の再起動

変更を有効にするため、VMware ESXi を再起動してください。

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

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

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

なお、デフォルトではパラメータは設定されておらず、本現象は発生しません。

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

5.7.6 リモートオンライン 展開モードをご使用時の注意事項

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

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

【iLO が AMS に接続している場合】

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

【iLO が AMS に接続していない場合】

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

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

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

5.8 SUM オフライン展開モードご使用時の注意事項

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

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

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

【注意】

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

ら起動してください。

5.9 Intel 製ネットワークアダプタご使用について

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

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

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

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

本制限事項の最新の状況並びに具体的な対象アダプタの情報については、アドバイザリ：「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 562FLR-T ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562FLR-T Adapte
TQ-N□□-817738-B21	Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562T Adapter
TQ-N□□-727054-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
TQ-N□□-727055-B21	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)	HPE Ethernet 10Gb 2-port 562SFP+ Adapter
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプタ	HPE Ethernet 1Gb 4-port 369i Adapter
TQ-N□□-P28778-B21	INT X710 10GbE 2p SFP+ OCP3 Adptr	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2
TQ-N□□-P28787-B21	X710 10Gb 2p SFP+ Adptr	AdapterHPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

(*1)：□には製品構成などにより異なった英数字が入ります。

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

5.10.1 ドライバの適用について

下表記載の Gen10 Plus RAID コントローラご利用環境で、Windows または RHEL の新規・再セットアップの際には、SPH を適用する前に SPH に収録された「6.2.6 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利用環境の 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 適用前にご利用のアダプタに対応したファームウェアを個別に適用してください。

【対象該当アダプタ】

アダプタ名	形名※	コンポーネントファイル名	バージョン
MegaRAID MR216i-a Gen10 Plus コントローラ	TQ-***-P26325-B21	HPE_MR216i-a_Gen10P_52.24.3-4948_A.fwpkg	52.24.3-4948
MegaRAID MR216i-p Gen10 Plus コントローラ	TQ-***-P26324-B21	HPE_MR216i-p_Gen10P_52.24.3-4948_A.fwpkg	

MegaRAID MR416i-a Gen10 Plus コントローラー	TQ-***-P26279-B21	HPE_MR416i-a_Gen10P_52.24.3-4948_A.fwpkg	
MegaRAID MR416i-p Gen10 Plus コントローラー	TQ-***-P06367-B21	HPE_MR416i-p_Gen10P_52.24.3-4948_A.fwpkg	

※「***」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が"52.24.3-4948" より古いことを確認してください。"52.24.3-4948" 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+	52.24.3-4650	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) 上記表記載のご使用アダプタに対応したコンポーネントファイルを 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

ファームウェアのフラッシュ

ファイル位置

ローカルファイル

リモートファイル

ローカルファイル

ファイルの選択 | ファイルが選択されていません

同様に、iLOレポジトリに保存

フラッシュ

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。

- (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。

Category 一覧

- [Application - System Management](#)
- [BIOS - System ROM](#)
- [Driver - Chipset](#)
- [Driver - Network](#)
- [Driver - Storage](#)
- [Driver - Storage Controller](#)
- [Driver - Storage Fibre Channel and Fibre Channel over Ethernet](#)
- [Driver - System Management](#)
- [Driver - Video](#)
- [Firmware - Lights-Out Management](#)
- [Firmware - Network](#)
- [Firmware - PCIe NVMe Storage Disk](#)
- [Firmware - Power Management](#)
- [Firmware - SAS Storage Disk](#)
- [Firmware - SATA Storage Disk](#)
- [Firmware - Storage Controller](#)
- [Firmware - Storage Fibre Channel](#)
- [Firmware - System](#)
- [Software - Lights-Out Management](#)
- [Software - Management](#)
- [Software - Storage Controller](#)
- [Software - Storage Fibre Channel](#)
- [Software - System Management](#)

6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1	Integrated Smart Update Tools 4.5.0 for ESXi 7.0	cp057456.zip	-	2023.09.00	701.4.5.0.9-1OEM.701.0.0.16850804	更新
2	Integrated Smart Update Tools 4.5.0 for ESXi 8.0	cp057459.zip	-	2023.09.00	800.4.5.0.22-1OEM.800.1.0.20613240	更新
3	Integrated Smart Update Tools for Windows x64	cp057442.exe	-	4.5.0.0	4.5.0.0	更新

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
4	Online ROM Flash Component for Windows x64 - System ROM U30	cp057197.exe	System BIOS - U30	2.90_07-20-2023	v2.90 (07/20/2023)	更新
5	Online ROM Flash Component for Windows x64 - System ROM U32	cp057214.exe	System BIOS - U32	2.90_07-20-2023	v2.90 (07/20/2023)	更新
6	Online ROM Flash Component for Windows x64 - System ROM U34	cp057313.exe	System BIOS - U34	2.90_07-20-2023	v2.90 (07/20/2023)	更新
7	Online ROM Flash Component for Windows x64 - System ROM U41	cp057747.exe	System BIOS - U41	2.90_07-20-2023	v2.90 (07/20/2023)	更新
8	Online ROM Flash Component for Windows x64 - System ROM U43	cp057361.exe	System BIOS - U43	2.80_07-20-2023	v2.80 (07/20/2023)	更新
9	Online ROM Flash Component for Windows x64 - System ROM U44	cp057346.exe	System BIOS - U44	2.80_07-20-2023	v2.80 (07/20/2023)	更新
10	Online ROM Flash Component for Windows x64 - System ROM U46	cp057226.exe	System BIOS - U46	1.80_07-05-2023	v1.80 (07/05/2023)	更新
11	Online ROM Flash Component for Windows x64 - System ROM U60	cp057750.exe	System BIOS - U60	1.80_07-20-2023	v1.80 (07/20/2023)	更新
12	Online ROM Flash Component for Windows x64 - System ROM U61	cp057351.exe	System BIOS - U61	1.80_07-20-2023	v1.80 (07/20/2023)	更新
13	ROM Flash Firmware Package - System ROM U30	OEM.U30_2.90_07_20_2023.fwpkg	System BIOS - U30	2.90_07-20-2023	v2.90 (07/20/2023)	更新
14	ROM Flash Firmware Package - System ROM U32	OEM.U32_2.90_07_20_2023.fwpkg	System BIOS - U32	2.90_07-20-2023	v2.90 (07/20/2023)	更新
15	ROM Flash Firmware Package - System ROM U34	OEM.U34_2.90_07_20_2023.fwpkg	System BIOS - U34	2.90_07-20-2023	v2.90 (07/20/2023)	更新
16	ROM Flash Firmware Package - System ROM U41	OEM.U41_2.90_07_20_2023.fwpkg	System BIOS - U41	2.90_07-20-2023	v2.90 (07/20/2023)	更新
17	ROM Flash Firmware Package - System ROM U43	OEM.U43_2.80_07_20_2023.fwpkg	System BIOS - U43	2.80_07-20-2023	v2.80 (07/20/2023)	更新
18	ROM Flash Firmware Package - System ROM U44	OEM.U44_2.80_07_20_2023.fwpkg	System BIOS - U44	2.80_07-20-2023	v2.80 (07/20/2023)	更新
19	ROM Flash Firmware Package - System ROM U46	OEM.U46_1.80_07_05_2023.fwpkg	System BIOS - U46	1.80_07-05-2023	v1.80 (07/05/2023)	更新
20	ROM Flash Firmware Package - System ROM U60	OEM.U60_1.80_07_20_2023.fwpkg	System BIOS - U60	1.80_07-20-2023	v1.80 (07/20/2023)	更新
21	ROM Flash Firmware Package - System ROM U61	OEM.U61_1.80_07_20_2023.fwpkg	System BIOS - U61	1.80_07-20-2023	v1.80 (07/20/2023)	更新

6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
22	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp053106.exe	-	10.1.18807.8279 (B)	10.1.18807.8279 (B)	
23	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp052730.exe	-	10.1.18807.8279 (B)	10.1.18807.8279 (B)	
24	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows	cp055798.exe	-	10.1.19006.8299	10.1.19006.8299	
25	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp055799.exe	-	10.1.19006.8299	10.1.19006.8299	

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
26	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	226.0.108.0	226.0.108.0	更新
27	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.0.108.0	226.0.108.0	更新
28	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57416 10GbE 2p BASE-T Adptr	226.0.108.0	226.0.108.0	更新
29	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	226.0.108.0	226.0.108.0	更新
30	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57412 10GbE 2p SFP+ Adptr	226.0.108.0	226.0.108.0	更新
31	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.0.108.0	226.0.108.0	更新
32	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp057076.exe	Broadcom NetXtreme-E BCM5750x adapters	226.0.108.0	226.0.108.0	更新
33	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	226.0.108.0	226.0.108.0	更新
34	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.0.108.0	226.0.108.0	更新
35	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57416 10GbE 2p BASE-T Adptr	226.0.108.0	226.0.108.0	更新
36	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	226.0.108.0	226.0.108.0	更新
37	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57412 10GbE 2p SFP+ Adptr	226.0.108.0	226.0.108.0	更新
38	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.0.108.0	226.0.108.0	更新
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp057077.exe	Broadcom NetXtreme-E BCM5750x	226.0.108.0	226.0.108.0	更新

			adapters			
40	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
41	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
42	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056229.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.5.0 (B)	221.0.5.0 (B)	更新
43	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	226.0.108.0	226.0.108.0	更新
44	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	226.0.108.0	226.0.108.0	更新
45	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10Gb 2-port 535T Adapter	226.0.108.0	226.0.108.0	更新
46	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	226.0.108.0	226.0.108.0	更新
47	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	226.0.108.0	226.0.108.0	更新
48	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp057072.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	226.0.108.0	226.0.108.0	更新
49	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	226.0.108.0	226.0.108.0	更新
50	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	226.0.108.0	226.0.108.0	更新
51	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10Gb 2-port 535T Adapter	226.0.108.0	226.0.108.0	更新
52	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	226.0.108.0	226.0.108.0	更新
53	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	226.0.108.0	226.0.108.0	更新
54	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp057073.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	226.0.108.0	226.0.108.0	更新
55	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新
56	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2023.09.00	226.0.121.0-10EM.700.1.0.15843807	更新

57	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
58	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
59	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
60	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
61	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
62	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
63	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57416 10GbE 2p BASE-T Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
64	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
65	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57412 10GbE 2p SFP+ Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
66	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
67	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp057074.zip	Broadcom NetXtreme-E BCM5750x adapters	2023.09.00	226.0.121.0- 10EM.700.1.0 .15843807	更新
68	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
69	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
70	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
71	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
72	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
73	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
74	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
75	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
76	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57416 10GbE 2p BASE-T Adptr	2023.09.00	226.0.121.0- 10EM.800.1.0 .20613240	更新
77	HPE Broadcom NetXtreme-E	cp057075.zip	BCM 57416	2023.09.00	226.0.121.0-	更新

	Drivers for VMware vSphere 8.0		10GbE 2p BASE-T OCP3 Adptr		1OEM.800.1.0 .20613240	
78	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57412 10GbE 2p SFP+ Adptr	2023.09.00	226.0.121.0-1OEM.800.1.0 .20613240	更新
79	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2023.09.00	226.0.121.0-1OEM.800.1.0 .20613240	更新
80	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp057075.zip	Broadcom NetXtreme-E BCM5750x adapters	2023.09.00	226.0.121.0-1OEM.800.1.0 .20613240	更新
81	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056246.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	221.0.5.0 (B)	221.0.5.0 (B)	更新
82	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056246.exe	HP Ethernet 1Gb 2-port 332T Adapter	221.0.5.0 (B)	221.0.5.0 (B)	更新
83	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056246.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	221.0.5.0 (B)	221.0.5.0 (B)	更新
84	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056246.exe	HP Ethernet 1Gb 4-port 331T Adapter	221.0.5.0 (B)	221.0.5.0 (B)	更新
85	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp056246.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	221.0.5.0 (B)	221.0.5.0 (B)	更新
86	HPE Intel E1R Driver for Windows Server 2019	cp055494.exe	HPE Ethernet 1Gb 2-port 361i Adapter	12.18.13.0 (B)	12.18.13.0 (B)	
87	HPE Intel E1R Driver for Windows Server 2019	cp055494.exe	HPE Ethernet 1Gb 2-port 361T Adapter	12.18.13.0 (B)	12.18.13.0 (B)	
88	HPE Intel E1R Driver for Windows Server 2019	cp055494.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	12.18.13.0 (B)	12.18.13.0 (B)	
89	HPE Intel E1R Driver for Windows Server 2019	cp055494.exe	HPE Ethernet 1Gb 4-port 366T Adapter	12.18.13.0 (B)	12.18.13.0 (B)	
90	HPE Intel E1R Driver for Windows Server 2022	cp055979.exe	HPE Ethernet 1Gb 2-port 361i Adapter	13.0.13.0 (B)	13.0.13.0 (B)	
91	HPE Intel E1R Driver for Windows Server 2022	cp055979.exe	HPE Ethernet 1Gb 2-port 361T Adapter	13.0.13.0 (B)	13.0.13.0 (B)	
92	HPE Intel E1R Driver for Windows Server 2022	cp055979.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	13.0.13.0 (B)	13.0.13.0 (B)	
93	HPE Intel E1R Driver for Windows Server 2022	cp055979.exe	HPE Ethernet 1Gb 4-port 366T Adapter	13.0.13.0 (B)	13.0.13.0 (B)	
94	HPE Intel i40ea Driver for Windows Server 2019	cp056774.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.16.202.10	1.16.202.10	更新
95	HPE Intel i40ea Driver for Windows Server 2019	cp056774.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.16.202.10	1.16.202.10	更新
96	HPE Intel i40ea Driver for Windows Server 2022	cp056775.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.16.208.0	1.16.208.0	更新
97	HPE Intel i40ea Driver for Windows Server 2022	cp056775.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.16.208.0	1.16.208.0	更新
98	HPE Intel i40eb Driver for	cp056776.exe	HPE Ethernet 1Gb	1.16.202.10	1.16.202.10	更新

	Windows Server 2019		4-port 369i Adapter			
99	HPE Intel i40eb Driver for Windows Server 2022	cp056777.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.16.208.0	1.16.208.0	更新
100	HPE Intel i40en Driver for VMware vSphere 7.0	cp056778.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
101	HPE Intel i40en Driver for VMware vSphere 7.0	cp056778.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
102	HPE Intel i40en Driver for VMware vSphere 7.0	cp056778.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
103	HPE Intel i40en Driver for VMware vSphere 7.0	cp056778.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
104	HPE Intel i40en Driver for VMware vSphere 7.0	cp056778.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
105	HPE Intel i40en Driver for VMware vSphere 8.0	cp056802.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
106	HPE Intel i40en Driver for VMware vSphere 8.0	cp056802.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
107	HPE Intel i40en Driver for VMware vSphere 8.0	cp056802.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
108	HPE Intel i40en Driver for VMware vSphere 8.0	cp056802.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
109	HPE Intel i40en Driver for VMware vSphere 8.0	cp056802.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2023.09.00	2.4.2.0-1OEM.700.1.0.15843807	更新
110	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	更新
111	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	更新
112	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	更新
113	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	更新
114	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	更新
115	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	更新
116	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	更新
117	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	更新

			Adapter		.20613240	
118	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	更新
119	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	更新
120	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	更新
121	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	更新
122	HPE Intel ixgben Driver for VMware vSphere 7.0	cp054594.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2023.03.00	1.14.2.0-1OEM.700.1.0.15843807	
123	HPE Intel ixgben Driver for VMware vSphere 7.0	cp054594.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2023.03.00	1.14.2.0-1OEM.700.1.0.15843807	
124	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	更新
125	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	更新
126	HPE Intel ixS Driver for Windows Server 2019	cp054587.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.246.2	4.1.246.2	
127	HPE Intel ixS Driver for Windows Server 2019	cp054587.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.246.2	4.1.246.2	
128	HPE Intel ixS Driver for Windows Server 2022	cp055983.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.248.0 (B)	4.1.248.0 (B)	
129	HPE Intel ixS Driver for Windows Server 2022	cp055983.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.248.0 (B)	4.1.248.0 (B)	
130	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp056040.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.4.26054.0	23.4.26054.0	更新
131	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp056040.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.4.26054.0	23.4.26054.0	更新
132	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp056041.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	23.4.26054.0	23.4.26054.0	更新
133	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp056041.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	23.4.26054.0	23.4.26054.0	更新
134	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp056686.exe	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.72.0.0	8.72.0.0	更新
135	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp056549.zip	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	2023.09.00	3.70.35.0-1OEM.700.1.0.15843807	更新
136	HPE QLogic FastLinQ	cp056550.zip	HPE 10GbE 2p	2023.09.00	3.71.35.0-	更新

	10/25/50 GbE Multifunction Driver for VMware vSphere 8.0		BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)		1OEM.800.1.0 .20613240	
137	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp056548.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
138	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp056548.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
139	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp056548.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
140	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp056551.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
141	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp056551.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
142	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp056551.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2023.09.00	1.4.46.0-1OEM.700.1.0 .15843807	更新
143	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp052356.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.206.0 (B)	7.13.206.0 (B)	
144	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp052356.exe	HPE Ethernet 10Gb 2-port 530T Adapter	7.13.206.0 (B)	7.13.206.0 (B)	
145	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp052356.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.206.0 (B)	7.13.206.0 (B)	
146	Intel i40ea Driver for Windows Server 2019	cp056783.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.16.202.10	1.16.202.10	更新
147	Intel i40ea Driver for Windows Server 2019	cp056783.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.16.202.10	1.16.202.10	更新
148	Intel i40ea Driver for Windows Server 2022	cp056784.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.16.208.0	1.16.208.0	更新
149	Intel i40ea Driver for Windows Server 2022	cp056784.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.16.208.0	1.16.208.0	更新
150	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-CQDA2 adapter	1.12.164.0	1.12.164.0	更新
151	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-CQDA2 OCP3 adapter	1.12.164.0	1.12.164.0	更新
152	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA2 adapter	1.12.164.0	1.12.164.0	更新
153	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA2 OCP3 adapter	1.12.164.0	1.12.164.0	更新
154	Intel icea Driver for Microsoft Windows Server 2022	cp056782.exe	Intel E810-XXVDA4 adapter	1.12.164.0	1.12.164.0	更新
155	Intel icea Driver for Windows Server 2019	cp056781.exe	Intel E810-CQDA2 adapter	1.12.164.0	1.12.164.0	更新
156	Intel icea Driver for Windows Server 2019	cp056781.exe	Intel E810-CQDA2 OCP3 adapter	1.12.164.0	1.12.164.0	更新
157	Intel icea Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA2 adapter	1.12.164.0	1.12.164.0	更新
158	Intel icea Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA2 OCP3	1.12.164.0	1.12.164.0	更新

			adapter			
159	Intel ica Driver for Windows Server 2019	cp056781.exe	Intel E810-XXVDA4 adapter	1.12.164.0	1.12.164.0	更新
160	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-CQDA2 adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	更新
161	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-CQDA2 OCP3 adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	更新
162	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA2 adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	更新
163	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA2 OCP3 adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	更新
164	Intel icen Driver for VMware vSphere 7.0	cp056779.zip	Intel E810-XXVDA4 adapter	2023.09.00	1.11.2.0-1OEM.700.1.0.15843807	更新
165	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-CQDA2 adapter	2023.09.00	1.11.3.0-1OEM.800.1.0.20613240	新規追加
166	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-CQDA2 OCP3 adapter	2023.09.00	1.11.3.0-1OEM.800.1.0.20613240	更新
167	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-XXVDA2 adapter	2023.09.00	1.11.3.0-1OEM.800.1.0.20613240	更新
168	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-XXVDA2 OCP3 adapter	2023.09.00	1.11.3.0-1OEM.800.1.0.20613240	更新
169	Intel icen Driver for VMware vSphere 8.0	cp056803.zip	Intel E810-XXVDA4 adapter	2023.09.00	1.11.3.0-1OEM.800.1.0.20613240	更新
170	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	更新
171	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	更新
172	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	更新
173	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	更新
174	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	更新
175	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	更新
176	Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver	cp056896.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28	2022.11.09 (A)	4.22.73.1004-1OEM.703.0.0.18644231	更新

	Component for VMware ESXi 7.0 Update 3		Adapter			
177	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)	4.22.73.1004-10EM.703.0.0.18644231	更新
178	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)	4.22.73.1004-10EM.703.0.0.18644231	更新
179	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)	4.22.73.1004-10EM.703.0.0.18644231	更新
180	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 QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter	2022.11.09 (A)	4.22.73.1004-10EM.703.0.0.18644231	更新
181	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.4.26054.0	23.4.26054.0	更新
182	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.4.26054.0	23.4.26054.0	更新
183	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.4.26054.0	23.4.26054.0	更新
184	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.4.26054.0	23.4.26054.0	更新
185	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp056038.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.4.26054.0	23.4.26054.0	更新
186	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	23.4.26054.0	23.4.26054.0	更新
187	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	23.4.26054.0	23.4.26054.0	更新
188	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	23.4.26054.0	23.4.26054.0	更新
189	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	23.4.26054.0	23.4.26054.0	更新
190	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp056039.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	23.4.26054.0	23.4.26054.0	更新
191	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新

192	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
193	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
194	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
195	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
196	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
197	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
198	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
199	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
200	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新
201	net-mst kernel module driver component for VMware ESXi 7.0 and VMware ESXi 8.0	cp058111.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter	2023.08.01	4.14.3.3-10EM.700.1.0.15525992	更新

6.2.5 Driver – Storage

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
202	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)	
203	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)	
204	HPE Smart Storage SR100i Gen10 Plus SW RAID Driver for Windows Server 2016 and Windows Server 2019	cp052318.exe	-	106.124.100.1005	106.124.100.1005	
205	HPE Smart Storage SR100i Gen10 Plus SW RAID Driver for Windows Server 2022	cp052317.exe	-	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
206	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
207	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
208	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
209	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057854.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.700.1.0.15843807	更新
210	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	更新
211	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	更新
212	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	更新
213	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057855.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.05.01 (B)	7.724.03.00-1OEM.800.1.0.20613240	更新
214	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
215	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
216	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057852.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
217	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for	cp057852.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新

	Microsoft Windows 2019 edition					
218	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
219	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
220	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
221	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition	cp057853.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.724.2.0 (B)	7.724.2.0 (B)	更新
222	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array P408i-a SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
223	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array P408i-p SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
224	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array P816i-a SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
225	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
226	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array E208i-a SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
227	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	HPE Smart Array E208i-p SR Gen10 Controller	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
228	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	
229	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp055511.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2023.04.01	70.4380.0.108 - 10EM.700.1.0 .15843807	

230	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
231	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
232	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
233	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array P816i-a SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
234	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array P408i-a SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
235	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array P408i-p SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
236	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array E208i-a SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
237	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp055512.zip	HPE Smart Array E208i-p SR Gen10 Controller	2023.04.01	80.4380.0.108 - 1OEM.800.1.0 .20613240	更新
238	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE Smart Array P408i-a SR Gen10 Controller	1010.74.0.1 020	1010.74.0.102 0	更新
239	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE Smart Array P408i-p SR Gen10 Controller	1010.74.0.1 020	1010.74.0.102 0	更新
240	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE Smart Array P816i-a SR Gen10 Controller	1010.74.0.1 020	1010.74.0.102 0	更新
241	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.74.0.1 020	1010.74.0.102 0	更新
242	HPE Smart Array Gen10, Gen10Plus and Gen11	cp056524.exe	HPE Smart Array E208i-a SR Gen10	1010.74.0.1 020	1010.74.0.102 0	更新

	Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022		Controller			
243	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	HPE Smart Array E208i-p SR Gen10 Controller	1010.74.0.1020	1010.74.0.1020	更新
244	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	Microchip SR932i-p Cntrl for HPE Gen10+	1010.74.0.1020	1010.74.0.1020	更新
245	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2016, Windows Server 2019 and Windows Server 2022	cp056524.exe	Microchip SR416i-a Cntrl for HPE Gen10+	1010.74.0.1020	1010.74.0.1020	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
246	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	更新
247	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	更新
248	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	更新
249	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	更新
250	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	更新
251	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	更新
252	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	更新
253	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server	cp055593.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.2.537.0	14.2.537.0	更新

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254	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	更新
255	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	更新
256	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	更新
257	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	更新
258	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
259	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
260	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
261	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
262	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
263	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp055610.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
264	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
265	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
266	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新

267	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
268	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新
269	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp055611.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.8.20	9.4.8.20	更新

6.2.8 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
270	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019	cp055145.exe	-	4.7.1.0 (D)	4.7.1.0 (D)	
271	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp055146.exe	-	4.7.1.0 (C)	4.7.1.0 (C)	
272	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019	cp055143.exe	-	4.7.1.0 (D)	4.7.1.0 (D)	
273	iLO 5 Channel Interface Driver for Microsoft Windows Server 2022	cp055144.exe	-	4.7.1.0 (D)	4.7.1.0 (D)	

6.2.9 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
274	Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit	cp055529.exe	-	9.15.1.248 (D)	9.15.1.248 (D)	

6.2.10 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
275	Language Pack - Japanese	cp058421.exe	Japanese Language Pack	2.95	2.95.19	更新
276	Online ROM Flash Component for Windows x64 - iLO 5	cp057983.exe	iLO 5	2.96	2.96	更新
277	Online ROM Flash Firmware Package - iLO 5	ilo5_296.fwpkg	iLO 5	2.96	2.96	更新

6.2.11 Firmware - Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
278	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	226.1.107.0	226.1.107.0	更新
279	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	226.1.107.0	226.1.107.0	更新

280	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 Adptr	226.1.107.0	226.1.107.0	更新
281	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	226.1.107.0	226.1.107.0	更新
282	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	226.1.107.0	226.1.107.0	更新
283	Broadcom Firmware Package for BCM5741x adapters	bcm226.1.107.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	226.1.107.0	226.1.107.0	更新
284	Broadcom Firmware Package for BCM5750x adapters	bcm226.1.107.0_Thor.p up.fw pkg	Broadcom NetXtreme-E BCM5750x adapters	226.1.107.0	226.1.107.0	更新
285	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054668.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.33.2	20.24.41	
286	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054668.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.33.2	20.24.41	
287	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054668.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.33.2	20.24.41	
288	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054669.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.3.3.0	20.24.41	
289	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054669.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.3.3.0	20.24.41	
290	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054669.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.3.3.0	20.24.41	
291	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	226.1.107000 (B)	226.1.107000	更新
292	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10Gb 2-port 535T Adapter	226.1.107000 (B)	226.1.107000	更新
293	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	226.1.107000 (B)	226.1.107000	更新
294	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	226.1.107000 (B)	226.1.107000	更新
295	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	226.1.107000 (B)	226.1.107000	更新
296	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm226.1.107000.Optimized.pup.fw pkg	HPE Ethernet 10/25Gb 2-port 631SFP28	226.1.107000 (B)	226.1.107000	更新

			Adapter			
297	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054665.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.33.2	20.24.41	
298	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054665.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.33.2	20.24.41	
299	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054665.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.33.2	20.24.41	
300	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054665.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.33.2	20.24.41	
301	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP054665.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.33.2	20.24.41	
302	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054666.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	5.3.3.0	20.24.41	
303	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054666.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.3.3.0	20.24.41	
304	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054666.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.3.3.0	20.24.41	
305	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054666.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.3.3.0	20.24.41	
306	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp054666.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.3.3.0	20.24.41	
307	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.3.5.0	1.3380.0	更新
308	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 1Gb 2-port 361T Adapter	5.3.5.0	1.3380.0	更新
309	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.3.5.0	1.3380.0	更新
310	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 1Gb 4-port 366T Adapter	5.3.5.0	1.3380.0	更新
311	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.3.5.0	11.1.4	更新
312	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.5.0	10.55.3	更新
313	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.3.5.0	11.1.4	更新

314	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp056798.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.5.0	10.55.3	更新
315	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.21.0	1.3380.0	更新
316	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 1Gb 2-port 361T Adapter	3.21.0	1.3380.0	更新
317	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	3.21.0	1.3380.0	更新
318	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 1Gb 4-port 366T Adapter	3.21.0	1.3380.0	更新
319	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.21.0	11.1.4	更新
320	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.21.0	10.55.3	更新
321	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.21.0	11.1.4	更新
322	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP056797.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.21.0	10.55.3	更新
323	HPE QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.65.08_pldm.fwpkg	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.65.08	8.65.08	更新
324	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP056596.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	1.33.1	7.19.14	更新
325	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP056596.zip	HPE Ethernet 10Gb 2-port 530T Adapter	1.33.1	7.19.14	更新
326	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP056596.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.33.1	7.19.14	更新
327	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056597.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	5.3.5.0	7.19.14	更新
328	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056597.exe	HPE Ethernet 10Gb 2-port 530T Adapter	5.3.5.0	7.19.14	更新
329	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056597.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.3.5.0	7.19.14	更新
330	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p20_PLDMoMCTP_80017785.fwpkg	Intel E810-CQDA2 adapter	4.20	4.20	更新
331	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p20_NCSlwPLDMoMCTP_80017783.fwpkg	Intel E810-CQDA2 OCP3 adapter	4.20	4.20	更新

332	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p20_PLDMoMCTP_8001778C.fwpkg	Intel E810-XXVDA2 adapter	4.20	4.20	更新
333	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p20_NCSlwPLDMoMCTP_80017787.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.20	4.20	更新
334	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p20_PLDMoMCTP_80017789.fwpkg	Intel E810-XXVDA4 adapter	4.20	4.20	更新
335	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.21.0	1.3353.0	更新
336	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.21.0	1.3353.0	更新
337	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.21.0	1.3353.0	更新
338	Intel Online Firmware Upgrade Utility for VMware	CP056800.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	3.21.0	1.3353.0	更新
339	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.3.5.0	1.3353.0	更新
340	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.3.5.0	1.3353.0	更新
341	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.3.5.0	1.3353.0	更新
342	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp056801.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.3.5.0	1.3353.0	更新
343	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_37_1700-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.37.1700	26.37.1700	更新
344	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_37_1700-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.37.1700	26.37.1700	更新
345	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.fwpkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.3006	16.35.3006	更新
346	Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-	20_37_1700-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.37.1700	20.37.1700	更新

	B21 and P23666-H21					
347	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	16.35.3006	更新
348	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_37_1700-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.37.1700	22.37.1700	更新
349	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	16.35.3006	更新
350	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	更新
351	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	更新
352	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	更新
353	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0	CP057744.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.6	20.37.1700	更新
354	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	更新
355	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	更新
356	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	更新
357	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0	CP057743.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.2	20.37.1700	更新
358	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	更新
359	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	更新
360	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4	cp057936.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28	1.0.0.14	16.35.3006	更新

	and ConnectX5 devices on Windows x86_64 platform		Adapter			
361	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform	cp057742.exe	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0.8	20.37.1700	更新

6.2.12 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
362	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP057335.zip	EO000400KYDKV	HPK4	HPK4	更新
363	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP057335.zip	EO000800KYDLA	HPK4	HPK4	更新
364	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP057709.zip	ET000750KWJTF	4ICSHPK4 (E)	4ICSHPK4	更新
365	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP057709.zip	EO000375KWJUC	4ICSHPK4 (E)	4ICSHPK4	更新
366	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP057709.zip	EO000750KWTXC	4ICSHPK4 (E)	4ICSHPK4	更新
367	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XVUL800G	GPK6	GPK6	
368	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XVUL1T60	GPK6	GPK6	
369	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40,	CP055570.zip	KCD6XVUL3T20	GPK6	GPK6	

	KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
370	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XVUL6T40	GPK6	GPK6	
371	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XVUL12T8	GPK6	GPK6	
372	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XLUL960G	GPK6	GPK6	
373	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XLUL1T92	GPK6	GPK6	
374	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XLUL3T84	GPK6	GPK6	

375	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XLUL7T68	GPK6	GPK6	
376	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP055570.zip	KCD6XLUL15T3	GPK6	GPK6	
377	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP055584.zip	KCM6FRUL1T92	GPK4	GPK4	
378	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP055584.zip	KCM6FRUL3T84	GPK4	GPK4	
379	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP055584.zip	KCM6FVUL1T60	GPK4	GPK4	
380	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP055584.zip	KCM6FVUL3T20	GPK4	GPK4	
381	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XVUL800G	GPK6	GPK6	
382	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92,	CP055583.zip	KCM6XVUL1T60	GPK6	GPK6	

	KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
383	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XVUL3T20	GPK6	GPK6	
384	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XVUL6T40	GPK6	GPK6	
385	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XRUL960G	GPK6	GPK6	
386	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XRUL1T92	GPK6	GPK6	
387	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XRUL3T84	GPK6	GPK6	
388	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP055583.zip	KCM6XRUL7T68	GPK6	GPK6	
389	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE,	CP055251.zip	MK000400KWDU K	HPK4 (I)	HPK4	

	MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives					
390	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP055251.zip	VK000480KWDUE	HPK4 (I)	HPK4	
391	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP055251.zip	MK000800KWDU L	HPK4 (I)	HPK4	
392	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP055251.zip	VK000960KWDUF	HPK4 (I)	HPK4	
393	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP055251.zip	MK001600KWDU N	HPK4 (I)	HPK4	
394	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP055251.zip	VK001920KWDUH	HPK4 (I)	HPK4	
395	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	MK000800KWWF E	HPK3 (E)	HPK3	
396	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	MK001600KWWF F	HPK3 (E)	HPK3	
397	Online NVMe SSD Flash Component for VMware ESXi	CP055241.zip	MK003200KWWF H	HPK3 (E)	HPK3	

	- MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives					
398	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	MK006400KWWF K	HPK3 (E)	HPK3	
399	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	VK000960KWWFL	HPK3 (E)	HPK3	
400	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	VK001920KWWF N	HPK3 (E)	HPK3	
401	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	VK003840KWWFP	HPK3 (E)	HPK3	
402	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP055241.zip	VK007680KWWF Q	HPK3 (E)	HPK3	
403	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MO001600KVVN B	HPK3 (D)	HPK3	

404	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MO003200KVVNC	HPK3 (D)	HPK3	
405	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MO006400KVVND	HPK3 (D)	HPK3	
406	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MT001600KWSTB	HPK3 (D)	HPK3	
407	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MT003200KWSTC	HPK3 (D)	HPK3	
408	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP055253.zip	MT006400KWSTD	HPK3 (D)	HPK3	
409	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP055245.zip	MT001600KWHAC	HPK2 (C)	HPK2	
410	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP055245.zip	MT003200KWHAD	HPK2 (C)	HPK2	
411	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP055245.zip	MT006400KWHAE	HPK2 (C)	HPK2	
412	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP057711.zip	MZPLJ1T6HBJR-000H3	EPK76H3Q (D)	EPK76H3Q	更新
413	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP057711.zip	MZPLJ3T2HBJR-000H3	EPK76H3Q (D)	EPK76H3Q	更新
414	Online NVMe SSD Flash	CP057711.zip	MZPLJ6T4HALA-	EPK76H3Q	EPK76H3Q	更新

	Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives		000H3	(D)		
415	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	CP057710.zip	MZXL5800HBHQ- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
416	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	CP057710.zip	MZXL51T6HBJR- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
417	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	CP057710.zip	MZXL53T2HBLS- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
418	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	CP057710.zip	MZXL56T4HALA- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
419	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	CP057710.zip	MZXL5960HBHQ- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
420	Online NVMe SSD Flash Component for VMware ESXi	CP057710.zip	MZXL51T9HBJR- 000H3	MPK76H5Q (D)	MPK76H5Q	更新

	- MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
421	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	CP057710.zip	MZXL53T8HBLS- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
422	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	CP057710.zip	MZXL57T6HALA- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
423	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	CP057710.zip	MZXL515THALA- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
424	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	CP057710.zip	MZXL512THALA- 000H3	MPK76H5Q (D)	MPK76H5Q	更新
425	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3,	CP055748.zip	MZXLR800HBHQ- 000H3	MPK7625Q (D)	MPK7625Q	更新

	MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv					
426	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	CP055748.zip	MZXLR1T6HBJR- 000H3	MPK7625Q (D)	MPK7625Q	更新
427	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	CP055748.zip	MZXLR3T2HBLS- 000H3	MPK7625Q (D)	MPK7625Q	更新
428	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	CP055748.zip	MZXLR6T4HALA- 000H3	MPK7625Q (D)	MPK7625Q	更新
429	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	CP055748.zip	MZXLR12THALA- 000H3	MPK7625Q (D)	MPK7625Q	更新
430	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	CP055748.zip	MZXLR960HBHQ- 000H3	MPK7625Q (D)	MPK7625Q	更新
431	Online NVMe SSD Flash Component for VMware ESXi	CP055748.zip	MZXLR1T9HBJR- 000H3	MPK7625Q (D)	MPK7625Q	更新

	- MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv					
432	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	CP055748.zip	MZXLR3T8HBLS- 000H3	MPK7625Q (D)	MPK7625Q	更新
433	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	CP055748.zip	MZXLR7T6HALA- 000H3	MPK7625Q (D)	MPK7625Q	更新
434	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	CP055748.zip	MZXLR15THALA- 000H3	MPK7625Q (D)	MPK7625Q	更新
435	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	VO000960KWUEA	HPK2 (B)	HPK2	
436	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT,	CP055422.zip	VO001920KWUEB	HPK2 (B)	HPK2	

	MO003200KWUDU and MO006400KWUDV Drives					
437	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	VO003840KWUEC	HPK2 (B)	HPK2	
438	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	VO007680KWUED	HPK2 (B)	HPK2	
439	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	VO015360KWUEE	HPK2 (B)	HPK2	
440	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	MO000800KWUD R	HPK2 (B)	HPK2	
441	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	MO001600KWUD T	HPK2 (B)	HPK2	
442	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT,	CP055422.zip	MO003200KWUD U	HPK2 (B)	HPK2	

	MO003200KWUDU and MO006400KWUDV Drives					
443	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP055422.zip	MO006400KWUDV	HPK2 (B)	HPK2	
444	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP055423.zip	VO000960KWVBR	HPK2 (B)	HPK2	
445	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP055423.zip	VO001920KWVBT	HPK2 (B)	HPK2	
446	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP055423.zip	VO003840KWVBU	HPK2 (B)	HPK2	
447	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	VO000960KXAVL	HPK5 (B)	HPK5	更新
448	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	VO001920KXAVP	HPK5 (B)	HPK5	更新
449	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	VO003840KXAVQ	HPK5 (B)	HPK5	更新
450	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT,	CP057505.zip	VO007680KXAVR	HPK5 (B)	HPK5	更新

	MO003200KXAVU and MO006400KXAVV Drives					
451	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	MO000800KXAVN	HPK5 (B)	HPK5	更新
452	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	MO001600KXAVT	HPK5 (B)	HPK5	更新
453	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	MO003200KXAVU	HPK5 (B)	HPK5	更新
454	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP057505.zip	MO006400KXAVV	HPK5 (B)	HPK5	更新
455	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	VO001000KWJSE	4ICDHPK1 (E)	4ICDHPK1	更新
456	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	VO002000KWJSF	4ICDHPK1 (E)	4ICDHPK1	更新
457	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	VO004000KWJSH	4ICDHPK1 (E)	4ICDHPK1	更新

458	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	VT004000KWJSU	4ICDHPK1 (E)	4ICDHPK1	更新
459	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	MO001600KWJSN	4ICDHPK1 (E)	4ICDHPK1	更新
460	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP057708.zip	MO003200KWJSQ	4ICDHPK1 (E)	4ICDHPK1	更新
461	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP055255.zip	VO001920KWVMT	HPK3 (D)	HPK3	
462	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP055255.zip	VO003840KWVMU	HPK3 (D)	HPK3	
463	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP055255.zip	VO007680KWVMV	HPK3 (D)	HPK3	
464	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP057365.zip	VO001920KWZQR	HPK7	HPK7	更新
465	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP057365.zip	VO003840KWZQT	HPK7	HPK7	更新
466	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP057365.zip	MO001600KWZQP	HPK7	HPK7	更新
467	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP057365.zip	MO003200KWZQQ	HPK7	HPK7	更新
468	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT,	CP057732.zip	VO001920KYDMT	HPK4	HPK4	更新

	VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives					
469	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO003840KYDMV	HPK4	HPK4	更新
470	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO001600KYDM U	HPK4	HPK4	更新
471	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO003200KYDNC	HPK4	HPK4	更新
472	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	MO006400KYDND	HPK4	HPK4	更新
473	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO007680KYDNA	HPK4	HPK4	更新
474	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP057732.zip	VO015360KYDNB	HPK4	HPK4	更新
475	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and	CP057712.zip	VO002000KWVVC	4ICRHPK3 (E)	4ICRHPK3	更新

	MO006400KWVVA Drives					
476	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KWVVA Drives	CP057712.zip	VO004000KVVUR	4ICRHPK3 (E)	4ICRHPK3	更新
477	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KWVVA Drives	CP057712.zip	MO001600KVVU U	4ICRHPK3 (E)	4ICRHPK3	更新
478	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KWVVA Drives	CP057712.zip	MO003200KVVU V	4ICRHPK3 (E)	4ICRHPK3	更新
479	Online NVMe SSD Flash Component for VMware ESXi - VO002000KVVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KWVVA Drives	CP057712.zip	MO006400KVVV A	4ICRHPK3 (E)	4ICRHPK3	更新
480	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWAFP and VS003840KWXFQ Drives	CP055413.zip	VS003840KWXFQ	85032G00 (B)	85032G00	
481	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWAFP and VS003840KWXFQ Drives	CP055413.zip	VS001920KWAFP	85032G00 (B)	85032G00	
482	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWAFP and VS003840KWXFQ Drives	CP055413.zip	VS000960KWXFN	85032G00 (B)	85032G00	
483	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWAFP and VS003840KWXFQ Drives	CP055413.zip	VS000480KXALB	85032G00 (B)	85032G00	
484	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp057355.exe	EO000400KYDKV	HPK4	HPK4	更新
485	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp057355.exe	EO000800KYDLA	HPK4	HPK4	更新
486	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp057713.exe	ET000750KWJTF	4ICSHPK4 (E)	4ICSHPK4	更新

487	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp057713.exe	EO000375KWJUC	4ICSHPK4 (E)	4ICSHPK4	更新
488	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp057713.exe	EO000750KWTXC	4ICSHPK4 (E)	4ICSHPK4	更新
489	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XVUL800G	GPK6	GPK6	
490	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XVUL1T60	GPK6	GPK6	
491	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XVUL3T20	GPK6	GPK6	
492	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XVUL6T40	GPK6	GPK6	
493	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G,	cp055600.exe	KCD6XVUL12T8	GPK6	GPK6	

	KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
494	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XLUL960G	GPK6	GPK6	
495	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XLUL1T92	GPK6	GPK6	
496	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XLUL3T84	GPK6	GPK6	
497	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XLUL7T68	GPK6	GPK6	
498	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp055600.exe	KCD6XLUL15T3	GPK6	GPK6	
499	Online NVMe SSD Flash Component for Windows	cp055616.exe	KCM6FRUL1T92	GPK4	GPK4	

	(x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives					
500	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp055616.exe	KCM6FRUL3T84	GPK4	GPK4	
501	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp055616.exe	KCM6FVUL1T60	GPK4	GPK4	
502	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp055616.exe	KCM6FVUL3T20	GPK4	GPK4	
503	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XVUL800G	GPK6	GPK6	
504	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XVUL1T60	GPK6	GPK6	
505	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XVUL3T20	GPK6	GPK6	
506	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XVUL6T40	GPK6	GPK6	
507	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60,	cp055614.exe	KCM6XRUL960G	GPK6	GPK6	

	KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
508	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XRUL1T92	GPK6	GPK6	
509	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XRUL3T84	GPK6	GPK6	
510	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp055614.exe	KCM6XRUL7T68	GPK6	GPK6	
511	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp054894.exe	VK001920KWDUH	HPK4 (F)	HPK4	
512	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp054894.exe	MK001600KWDUN	HPK4 (F)	HPK4	
513	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp054894.exe	VK000960KWDUF	HPK4 (F)	HPK4	
514	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF,	cp054894.exe	MK000800KWDUL	HPK4 (F)	HPK4	

	MK001600KWDUN and VK001920KWDUH Drives					
515	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp054894.exe	VK000480KWDUE	HPK4 (F)	HPK4	
516	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp054894.exe	MK000400KWDUK	HPK4 (F)	HPK4	
517	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	MK000800KWWFE	HPK3 (D)	HPK3	
518	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	MK001600KWWFF	HPK3 (D)	HPK3	
519	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	MK003200KWWFH	HPK3 (D)	HPK3	
520	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	MK006400KWWFK	HPK3 (D)	HPK3	
521	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN,	cp052108.exe	VK000960KWWFL	HPK3 (D)	HPK3	

	VK003840KWWFP and VK007680KWWFQ Drives					
522	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	VK001920KWWF N	HPK3 (D)	HPK3	
523	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	VK003840KWWFP	HPK3 (D)	HPK3	
524	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp052108.exe	VK007680KWWF Q	HPK3 (D)	HPK3	
525	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp055091.exe	MO001600KVVN B	HPK3 (D)	HPK3	
526	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp055091.exe	MO003200KVVN C	HPK3 (D)	HPK3	
527	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp055091.exe	MO006400KVVN D	HPK3 (D)	HPK3	
528	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp055091.exe	MT001600KWSTB	HPK3 (D)	HPK3	
529	Online NVMe SSD Flash Component for Windows	cp055091.exe	MT003200KWSTC	HPK3 (D)	HPK3	

	(x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives					
530	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp055091.exe	MT006400KWSTD	HPK3 (D)	HPK3	
531	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp053105.exe	MT001600KWHAC	HPK2 (B)	HPK2	
532	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp053105.exe	MT003200KWHAD	HPK2 (B)	HPK2	
533	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp053105.exe	MT006400KWHAE	HPK2 (B)	HPK2	
534	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp055754.exe	MZPLJ1T6HBJR-000H3	EPK76H3Q (C)	EPK76H3Q	更新
535	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp055754.exe	MZPLJ3T2HBJR-000H3	EPK76H3Q (C)	EPK76H3Q	更新
536	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp055754.exe	MZPLJ6T4HALA-000H3	EPK76H3Q (C)	EPK76H3Q	更新
537	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	cp055753.exe	MZXL5800HBHQ-000H3	MPK76H5Q (C)	MPK76H5Q	更新
538	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-	cp055753.exe	MZXL51T6HBJR-000H3	MPK76H5Q (C)	MPK76H5Q	更新

	000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive					
539	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	cp055753.exe	MZXL53T2HBLS-000H3	MPK76H5Q (C)	MPK76H5Q	更新
540	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	cp055753.exe	MZXL56T4HALA-000H3	MPK76H5Q (C)	MPK76H5Q	更新
541	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	cp055753.exe	MZXL512THALA-000H3	MPK76H5Q (C)	MPK76H5Q	更新
542	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	cp055753.exe	MZXL5960HBHQ-000H3	MPK76H5Q (C)	MPK76H5Q	更新
543	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-	cp055753.exe	MZXL51T9HBJR-000H3	MPK76H5Q (C)	MPK76H5Q	更新

	000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive					
544	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	cp055753.exe	MZXL53T8HBLS-000H3	MPK76H5Q (C)	MPK76H5Q	更新
545	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	cp055753.exe	MZXL57T6HALA-000H3	MPK76H5Q (C)	MPK76H5Q	更新
546	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	cp055753.exe	MZXL515THALA-000H3	MPK76H5Q (C)	MPK76H5Q	更新
547	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	cp055749.exe	MZXLR800HBHQ-000H3	MPK7625Q (D)	MPK7625Q	更新
548	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-	cp055749.exe	MZXLR1T6HBJR-000H3	MPK7625Q (D)	MPK7625Q	更新

	000H3 and MZXLR15THALA-0 Drive					
549	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	cp055749.exe	MZXLR3T2HBLS-000H3	MPK7625Q (D)	MPK7625Q	更新
550	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	cp055749.exe	MZXLR6T4HALA-000H3	MPK7625Q (D)	MPK7625Q	更新
551	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	cp055749.exe	MZXLR12THALA-000H3	MPK7625Q (D)	MPK7625Q	更新
552	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	cp055749.exe	MZXLR960HBHQ-000H3	MPK7625Q (D)	MPK7625Q	更新
553	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	cp055749.exe	MZXLR1T9HBJR-000H3	MPK7625Q (D)	MPK7625Q	更新

	Drive					
554	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	cp055749.exe	MZXLR3T8HBLS-000H3	MPK7625Q (D)	MPK7625Q	更新
555	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	cp055749.exe	MZXLR7T6HALA-000H3	MPK7625Q (D)	MPK7625Q	更新
556	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	cp055749.exe	MZXLR15THALA-000H3	MPK7625Q (D)	MPK7625Q	更新
557	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	VO000960KWUEA	HPK2	HPK2	
558	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	VO001920KWUEB	HPK2	HPK2	
559	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB,	cp053357.exe	VO003840KWUEC	HPK2	HPK2	

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives					
560	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	VO007680KWUED	HPK2	HPK2	
561	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	VO015360KWUEE	HPK2	HPK2	
562	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	MO000800KWUD R	HPK2	HPK2	
563	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	MO001600KWUD T	HPK2	HPK2	
564	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp053357.exe	MO003200KWUD U	HPK2	HPK2	
565	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB,	cp053357.exe	MO006400KWUD V	HPK2	HPK2	

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives					
566	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp053354.exe	VO000960KWVBR	HPK2	HPK2	
567	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp053354.exe	VO001920KWVBT	HPK2	HPK2	
568	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp053354.exe	VO003840KWVBU	HPK2	HPK2	
569	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	VO000960KXAVL	HPK5 (C)	HPK5	更新
570	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	VO001920KXAVP	HPK5 (C)	HPK5	更新
571	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	VO003840KXAVQ	HPK5 (C)	HPK5	更新
572	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	VO007680KXAVR	HPK5 (C)	HPK5	更新
573	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP,	cp057512.exe	MO000800KXAVN	HPK5 (C)	HPK5	更新

	VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
574	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	MO001600KXAVT	HPK5 (C)	HPK5	更新
575	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	MO003200KXAVU	HPK5 (C)	HPK5	更新
576	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp057512.exe	MO006400KXAVV	HPK5 (C)	HPK5	更新
577	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp055751.exe	VO001000KWJSE	4ICDHPK1 (D)	4ICDHPK1	更新
578	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp055751.exe	VO002000KWJSF	4ICDHPK1 (D)	4ICDHPK1	更新
579	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp055751.exe	VO004000KWJSH	4ICDHPK1 (D)	4ICDHPK1	更新
580	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU,	cp055751.exe	VT004000KWJSU	4ICDHPK1 (D)	4ICDHPK1	更新

	MO001600KWJSN and MO003200KWJSQ Drives					
581	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp055751.exe	MO001600KWJSN	4ICDHPK1 (D)	4ICDHPK1	更新
582	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp055751.exe	MO003200KWJSQ	4ICDHPK1 (D)	4ICDHPK1	更新
583	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp055092.exe	VO001920KWVMT	HPK3 (D)	HPK3	
584	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp055092.exe	VO003840KWVMU	HPK3 (D)	HPK3	
585	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp055092.exe	VO007680KWVMV	HPK3 (D)	HPK3	
586	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp057364.exe	VO001920KWZQR	HPK7	HPK7	更新
587	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp057364.exe	VO003840KWZQT	HPK7	HPK7	更新
588	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp057364.exe	MO001600KWZQP	HPK7	HPK7	更新
589	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp057364.exe	MO003200KWZQQ	HPK7	HPK7	更新
590	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO001920KYDMT	HPK4	HPK4	更新

591	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO003840KYDMV	HPK4	HPK4	更新
592	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO001600KYDMU	HPK4	HPK4	更新
593	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO003200KYDNC	HPK4	HPK4	更新
594	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	MO006400KYDND	HPK4	HPK4	更新
595	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO007680KYDNA	HPK4	HPK4	更新
596	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp057733.exe	VO015360KYDNB	HPK4	HPK4	更新
597	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp055752.exe	VO002000KWVVC	4ICRHPK3 (E)	4ICRHPK3	更新
598	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU,	cp055752.exe	VO004000KVVUR	4ICRHPK3 (E)	4ICRHPK3	更新

	MO003200KWVUV and MO006400KWVVA Drives					
599	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp055752.exe	MO001600KWVUU	4ICRHPK3 (E)	4ICRHPK3	更新
600	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp055752.exe	MO003200KWVUV	4ICRHPK3 (E)	4ICRHPK3	更新
601	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp055752.exe	MO006400KWVVA	4ICRHPK3 (E)	4ICRHPK3	更新
602	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp055207.exe	VS000480KXALB	85032G00 (C)	85032G00	
603	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp055207.exe	VS000960KWXFN	85032G00 (C)	85032G00	
604	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp055207.exe	VS001920KWXFP	85032G00 (C)	85032G00	
605	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp055207.exe	VS003840KWXFQ	85032G00 (C)	85032G00	

6.2.13 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
606	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp053969.exe	Innovation Engine (IE) Firmware	0.2.3.0 (B)	0.2.3.0	
607	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100	cp053975.exe	Gen10 Plus Power Management Controller Firmware	1.0.8 (B)	1.0.8	

	series Processors					
608	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	
609	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	PICFW-1.0.8-1.fwpkg	Gen10 Plus Power Management Controller Firmware	1.0.8 (B)	1.0.8	

6.2.14 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
610	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP055258.zip	EG000300JWBHR	HPD5 (D)	HPD5	
611	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP055257.zip	EG000300JWFVB	HPD3 (D)	HPD3	
612	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP055412.zip	EG000600JWJNH	HPD5 (C)	HPD5	
613	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP055412.zip	EG001200JWJNK	HPD5 (C)	HPD5	
614	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP055412.zip	EG000300JWSJP	HPD5 (C)	HPD5	
615	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000600JWEBH	HPD5 (D)	HPD5	
616	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP053464.zip	EG000300JWEBF	HPD5 (D)	HPD5	
617	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP055259.zip	EG000600JWFUV	HPD4 (D)	HPD4	
618	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP055259.zip	EG001200JWFVA	HPD4 (D)	HPD4	
619	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JWJNP	HPD8	HPD8	
620	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP,	CP055387.zip	EG001200JWJNQ	HPD8	HPD8	

	EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives					
621	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200MXJQU	HPD8	HPD8	
622	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG000600JXLVV	HPD8	HPD8	
623	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP055387.zip	EG001200JXLWA	HPD8	HPD8	
624	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP055260.zip	EG001800JWFVC	HPD4 (D)	HPD4	
625	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP055411.zip	EG001800JWJNL	HPD5 (C)	HPD5	
626	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP055411.zip	EG002400JWJNN	HPD5 (C)	HPD5	
627	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG001800JWJNR	HPDA (B)	HPDA	
628	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400JWJNT	HPDA (B)	HPDA	
629	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG002400MXJQT	HPDA (B)	HPDA	
630	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP055733.zip	EG001800JXLWB	HPDA (B)	HPDA	
631	Online HDD/SSD Flash Component for VMware ESXi	CP055733.zip	EG002400JXLWC	HPDA (B)	HPDA	

	- EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives					
632	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG0600JETKA	HPD8 (D)	HPD8	
633	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG0900JETKB	HPD8 (D)	HPD8	
634	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP055269.zip	EG1200JETKC	HPD8 (D)	HPD8	
635	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive	CP055268.zip	EG1800JEHMD	HPD6 (L)	HPD6	
636	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP055266.zip	EG1800JFHMH	HPD8 (D)	HPD8	
637	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JWCPK	HPD9	HPD9	
638	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JWCPL	HPD9	HPD9	
639	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000900JWCPN	HPD9	HPD9	
640	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000900JXLVU	HPD9	HPD9	
641	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000300JXLVR	HPD9	HPD9	
642	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP053495.zip	EH000600JXLVT	HPD9	HPD9	
643	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP057698.zip	EH000900JWCPH	HPDC	HPDC	更新
644	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP057698.zip	EH000600JWCPF	HPDC	HPDC	更新
645	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP054157.zip	EH000900JWHPK	HPD8	HPD8	
646	Online HDD/SSD Flash	CP054157.zip	EH000600JWHPH	HPD8	HPD8	

	Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives					
647	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPH, EH000600JWHPN and EH000300JWHPH Drives	CP054146.zip	EH000900JWHPH	HPD8	HPD8	
648	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPH, EH000600JWHPN and EH000300JWHPH Drives	CP054146.zip	EH000600JWHPN	HPD8	HPD8	
649	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPH, EH000600JWHPN and EH000300JWHPH Drives	CP054146.zip	EH000300JWHPH	HPD8	HPD8	
650	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0300JDYTH	HPD6 (L)	HPD6	
651	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0450JDYTK	HPD6 (L)	HPD6	
652	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP055264.zip	EH0600JDYTL	HPD6 (L)	HPD6	
653	Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive	CP055262.zip	EH0600JDYTN	HPD7 (J)	HPD7	
654	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP055356.zip	EK0800JVYPN	HPD7 (F)	HPD7	
655	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP055356.zip	EO1600JVYPP	HPD7 (F)	HPD7	
656	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP055356.zip	MK0800JVYPQ	HPD7 (F)	HPD7	
657	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP055356.zip	MO1600JVYPR	HPD7 (F)	HPD7	
658	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	EO000400JWDKP	HPD2 (H)	HPD2	
659	Online HDD/SSD Flash	CP055421.zip	EO000800JWDKQ	HPD2 (H)	HPD2	

	Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
660	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	EO001600JWDKR	HPD2 (H)	HPD2	
661	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO000400JWDK U	HPD2 (H)	HPD2	
662	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO000800JWDK V	HPD2 (H)	HPD2	
663	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO001600JWDLA	HPD2 (H)	HPD2	
664	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP055421.zip	MO003200JWDLB	HPD2 (H)	HPD2	
665	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDQB, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDDB, VO001920PXDDB, VO003840PXDDB, VO007680PXDDB and	CP053486.zip	EO000400PXDQB	HPD3 (C)	HPD3	

	VO015300PXDBV Drives					
666	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDBV Drives	CP053486.zip	EO000800PXDCK	HPD3 (C)	HPD3	
667	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDBV Drives	CP053486.zip	EO001600PXDCH	HPD3 (C)	HPD3	
668	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDBV Drives	CP053486.zip	MO000800PXDBP	HPD3 (C)	HPD3	
669	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDBV Drives	CP053486.zip	MO001600PXDCC	HPD3 (C)	HPD3	
670	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE,	CP053486.zip	MO003200PXDCCD	HPD3 (C)	HPD3	

	VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
671	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	MO006400PXDCE	HPD3 (C)	HPD3	
672	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO000960PXDBN	HPD3 (C)	HPD3	
673	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO001920PXDBR	HPD3 (C)	HPD3	
674	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO003840PXDBT	HPD3 (C)	HPD3	
675	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH,	CP053486.zip	VO007680PXDBU	HPD3 (C)	HPD3	

	MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
676	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP053486.zip	VO015300PXDBV	HPD3 (C)	HPD3	
677	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB002000JWFVN	HPD4 (D)	HPD4	
678	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP053384.zip	MB004000JWFVP	HPD4 (D)	HPD4	
679	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP053343.zip	MB002000JYDNE	HPD2 (C)	HPD2	
680	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP053343.zip	MB004000JYDPB	HPD2 (C)	HPD2	
681	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP055302.zip	MB004000JWFVK	HPD4 (D)	HPD4	
682	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP055302.zip	MB006000JWFVL	HPD4 (D)	HPD4	
683	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP055303.zip	MB004000JWKGU	HPD2 (D)	HPD2	
684	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB004000JWWQ B	HPD8	HPD8	
685	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP053939.zip	MB002000JWWQ A	HPD8	HPD8	
686	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP055305.zip	MB006000JWKGN	HPD2 (D)	HPD2	
687	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP053342.zip	MB006000JYDNF	HPD2 (C)	HPD2	
688	Online HDD/SSD Flash	CP053342.zip	MB008000JYDPC	HPD2 (C)	HPD2	

	Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives					
689	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP055404.zip	MB008000JWJRQ	HPD9 (D)	HPD9	
690	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP055404.zip	MB006000JWJRP	HPD9 (D)	HPD9	
691	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP053398.zip	MB008000JWRTD	HPD2 (D)	HPD2	
692	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP053890.zip	MB008000JWWQ P	HPD8	HPD8	
693	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP053890.zip	MB006000JWWQ N	HPD8	HPD8	
694	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB010000GWZG T	HPG1 (C)	HPG1	
695	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB012000GWZG U	HPG1 (C)	HPG1	
696	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB014000GWZG V	HPG1 (C)	HPG1	
697	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP055424.zip	MB016000GWZH D	HPG1 (C)	HPG1	
698	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB010000GYDKP	HPG1 (B)	HPG1	
699	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB012000GYCJL	HPG1 (B)	HPG1	
700	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and	CP053502.zip	MB014000GYCJT	HPG1 (B)	HPG1	

	MB018000GYDKR Drives					
701	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB016000GYDKQ	HPG1 (B)	HPG1	
702	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP053502.zip	MB018000GYDKR	HPG1 (B)	HPG1	
703	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP055307.zip	MB010000JWAYK	HPD6 (D)	HPD6	
704	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP055307.zip	MB008000JWAYH	HPD6 (D)	HPD6	
705	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB010000JWZHA	HPD4	HPD4	
706	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB012000JWZHB	HPD4	HPD4	
707	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB014000JWZHC	HPD4	HPD4	
708	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP053847.zip	MB016000JWZHE	HPD4	HPD4	
709	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB010000JYDKK	HPD1	HPD1	
710	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB012000JYCJF	HPD1	HPD1	
711	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV,	CP053994.zip	MB014000JYCJV	HPD1	HPD1	

	MB016000JYDKL and MB018000JYDKN Drives					
712	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB016000JYDKL	HPD1	HPD1	
713	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP053994.zip	MB018000JYDKN	HPD1	HPD1	
714	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP053422.zip	MB012000JWDFD	HPD3 (D)	HPD3	
715	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB012000JZYVN	HPD3	HPD3	新規追加
716	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB014000JZYVP	HPD3	HPD3	新規追加
717	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB016000JZYVQ	HPD3	HPD3	新規追加
718	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP056642.zip	MB018000JYCLK	HPD3	HPD3	新規追加
719	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP055407.zip	MB014000JWTFD	HPD8 (D)	HPD8	
720	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP055407.zip	MB012000JWTFC	HPD8 (D)	HPD8	
721	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP053406.zip	MB014000JWUDB	HPD3 (D)	HPD3	
722	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP053443.zip	MB016000JWXKH	HPDA	HPDA	
723	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP053456.zip	MB016000JXLBA	HPD2 (C)	HPD2	
724	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP053456.zip	MB018000JXLAU	HPD2 (C)	HPD2	
725	Online HDD/SSD Flash	CP055621.zip	MB020000JXMTP	HPD1	HPD1	

	Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives					
726	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP055621.zip	MB018000JXMTH	HPD1	HPD1	
727	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB1000JVYZL	HPD3 (H)	HPD3	
728	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB2000JVYZN	HPD3 (H)	HPD3	
729	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB3000JVYZP	HPD3 (H)	HPD3	
730	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP055312.zip	MB4000JVYZQ	HPD3 (H)	HPD3	
731	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP055315.zip	MB2000JFDSL	HPD4 (K)	HPD4	
732	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP055315.zip	MB4000JFDSN	HPD4 (K)	HPD4	
733	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP055316.zip	MB2000JFEML	HPD6 (K)	HPD6	
734	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP055316.zip	MB4000JFEMN	HPD6 (K)	HPD6	
735	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP055321.zip	MB4000JEQNL	HPDB (K)	HPDB	
736	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP055321.zip	MB6000JEQNN	HPDB (K)	HPDB	
737	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP055329.zip	MB6000JVYZD	HPD4 (I)	HPD4	
738	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP055329.zip	MB4000JVYZC	HPD4 (I)	HPD4	
739	Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive	CP055331.zip	MB8000JFECQ	HPD7 (J)	HPD7	
740	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP053416.zip	MM1000JEFRB	HPDA (B)	HPDA	

741	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRB Drives	CP053416.zip	MM2000JEFRB	HPDA (B)	HPDA	
742	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP053418.zip	MM1000JFJTH	HPD5 (B)	HPD5	
743	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000400JWFVN	HPD5 (H)	HPD5	
744	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000800JWFVP	HPD5 (H)	HPD5	
745	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO001600JWFVQ	HPD5 (H)	HPD5	
746	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO003200JWFVR	HPD5 (H)	HPD5	
747	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO000960JWFVT	HPD5 (H)	HPD5	
748	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP055339.zip	MO001920JWFVU	HPD5 (H)	HPD5	
749	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ,	CP055339.zip	MO003840JWFVV	HPD5 (H)	HPD5	

	MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives					
750	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	
751	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	
752	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	
753	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	
754	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					
755	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	
756	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	
757	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	
758	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	
759	Online HDD/SSD Flash Component for VMware ESXi	CP055405.zip	EO000400JXBEU	HPD1 (D)	HPD1	

	- MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives					
760	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP055405.zip	EO000800XBFL	HPD1 (D)	HPD1	
761	Online HDD/SSD Flash Component for VMware ESXi - MO000800XBEV, MO001600XBFP, MO003200XBFQ, MO006400XBFR, MO000960XBFA, MO001920XBFT, MO003840XBFU, MO007680XBGA, MO015360XBFV, EO000400XBEU, EO000800XBFL and EO001600XBFN Drives	CP055405.zip	EO001600XBFN	HPD1 (D)	HPD1	
762	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0800JEFPF	HPD3 (K)	HPD3	
763	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0400JEFPE	HPD3 (K)	HPD3	
764	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	EO0200JEFPD	HPD3 (K)	HPD3	
765	Online HDD/SSD Flash Component for VMware ESXi	CP055341.zip	MO1600JEFPC	HPD3 (K)	HPD3	

	- MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives					
766	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0800JEFPB	HPD3 (K)	HPD3	
767	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0400JEFPA	HPD3 (K)	HPD3	
768	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP055341.zip	MO0200JEFNV	HPD3 (K)	HPD3	
769	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO0400JFFCF	HPD9 (F)	HPD9	
770	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO0800JFFCH	HPD9 (F)	HPD9	
771	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO1600JFFCK	HPD9 (F)	HPD9	
772	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP055358.zip	MO3200JFFCL	HPD9 (F)	HPD9	
773	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP055337.zip	VK000960JWSSQ	HPD8 (G)	HPD8	
774	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST,	CP055337.zip	VK001920JWSSR	HPD8 (G)	HPD8	

	VK007680JWSSU and VO015300JWSSV Drives					
775	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP055337.zip	VK003840JWSST	HPD8 (G)	HPD8	
776	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP055337.zip	VK007680JWSSU	HPD8 (G)	HPD8	
777	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP055337.zip	VO015300JWSSV	HPD8 (G)	HPD8	
778	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP055409.zip	VK0400JEABD	HPD4 (D)	HPD4	
779	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP055409.zip	VK0800JEABE	HPD4 (D)	HPD4	
780	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP055409.zip	VO1600JEABF	HPD4 (D)	HPD4	
781	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO000800JWZJP	HPD5	HPD5	更新
782	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO001600JWZJQ	HPD5	HPD5	更新
783	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO003200JWZJR	HPD5	HPD5	更新
784	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP057765.zip	VO006400JWZJT	HPD5	HPD5	更新
785	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTL,	CP055406.zip	VO000960JWTBK	HPD9 (D)	HPD9	

	VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives					
786	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	VO001920JWTCB	HPD9 (D)	HPD9	
787	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	VO003840JWTCB	HPD9 (D)	HPD9	
788	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	VO007680JWTCB	HPD9 (D)	HPD9	
789	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	MO000400JWTCB Q	HPD9 (D)	HPD9	

790	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP055406.zip	MO000800JWTKR	HPD9 (D)	HPD9	
791	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP055406.zip	MO001600JWTKT	HPD9 (D)	HPD9	
792	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP055406.zip	MO003200JWTKU	HPD9 (D)	HPD9	
793	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA, EO001600JWTKC Drives	CP055406.zip	MO006400JWTKD	HPD9 (D)	HPD9	
794	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU,	CP055406.zip	EO000400JWTKV	HPD9 (D)	HPD9	

	MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives					
795	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	EO000800JWTCB	HPD9 (D)	HPD9	
796	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	EO001600JWTCB	HPD9 (D)	HPD9	
797	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	EO003200JWTCB	HPD9 (D)	HPD9	
798	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB, EO001600JWTCB Drives	CP055406.zip	MO001920JWTCB WV	HPD9 (D)	HPD9	
799	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and	CP057758.zip	VO000960JWZJF	HPD5	HPD5	更新

	VO015360JWZJN Drives					
800	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO001920JWZJH	HPD5	HPD5	更新
801	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO003840JWZJK	HPD5	HPD5	更新
802	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO007680JWZJL	HPD5	HPD5	更新
803	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP057758.zip	VO015360JWZJN	HPD5	HPD5	更新
804	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO000960RWUEV	HPD7	HPD7	
805	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO001920RWUFA	HPD7	HPD7	
806	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO003840RWUFB	HPD7	HPD7	
807	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO007680RWUFC	HPD7	HPD7	
808	Online HDD/SSD Flash	CP053869.zip	VO000960RWUFD	HPD7	HPD7	

	Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives					
809	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO001920RWUFE	HPD7	HPD7	
810	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP053869.zip	VO003840RWUFF	HPD7	HPD7	
811	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP055418.zip	VO003840XZCLT	HPD2 (C)	HPD2	
812	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP055418.zip	VO007680XZCMB	HPD2 (C)	HPD2	
813	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP055418.zip	MO000800XZCLQ	HPD2 (C)	HPD2	
814	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	CP055418.zip	MO001600XZCLV	HPD2 (C)	HPD2	
815	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP055352.zip	VO007680JWCNK	HPD8 (G)	HPD8	
816	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP055352.zip	VO015300JWCNL	HPD8 (G)	HPD8	
817	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO0480JFDGT	HPD9 (F)	HPD9	
818	Online HDD/SSD Flash Component for VMware ESXi	CP055357.zip	VO0960JFDGU	HPD9 (F)	HPD9	

	- VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives					
819	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO1920JFDGV	HPD9 (F)	HPD9	
820	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP055357.zip	VO3840JFDHA	HPD9 (F)	HPD9	
821	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB014000JWRTH	HPD2 (H)	HPD2	
822	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB012000JWRTE	HPD2 (H)	HPD2	
823	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP055309.zip	MB010000JWRTE	HPD2 (H)	HPD2	
824	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp052927.exe	EG000300JWBHR	HPD5 (D)	HPD5	
825	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive	cp052926.exe	EG000300JWFVB	HPD3 (D)	HPD3	
826	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG000300JWSJP	HPD5 (C)	HPD5	
827	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG000600JWJNH	HPD5 (C)	HPD5	
828	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp052984.exe	EG001200JWJNK	HPD5 (C)	HPD5	
829	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp055205.exe	EG000600JWEBH	HPD5 (E)	HPD5	
830	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp055205.exe	EG000300JWEBF	HPD5 (E)	HPD5	
831	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp052928.exe	EG000600JWFUV	HPD4 (D)	HPD4	
832	Online HDD/SSD Flash	cp052928.exe	EG001200JWFVA	HPD4 (D)	HPD4	

	Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives					
833	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JWJNP	HPD8	HPD8	
834	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JWJNQ	HPD8	HPD8	
835	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200MXJQU	HPD8	HPD8	
836	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG000600JXLVV	HPD8	HPD8	
837	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp055388.exe	EG001200JXLWA	HPD8	HPD8	
838	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp052930.exe	EG001800JWFVC	HPD4 (D)	HPD4	
839	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp052982.exe	EG001800JWJNL	HPD5 (C)	HPD5	
840	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp052982.exe	EG002400JWJNN	HPD5 (C)	HPD5	
841	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JWJNR	HPDA (B)	HPDA	
842	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JWJNT	HPDA (B)	HPDA	
843	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR,	cp055734.exe	EG002400MXJQT	HPDA (B)	HPDA	

	EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives					
844	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG001800JXLWB	HPDA (B)	HPDA	
845	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp055734.exe	EG002400JXLWC	HPDA (B)	HPDA	
846	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG0600JETKA	HPD8 (D)	HPD8	
847	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG0900JETKB	HPD8 (D)	HPD8	
848	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp052932.exe	EG1200JETKC	HPD8 (D)	HPD8	
849	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive	cp055095.exe	EG1800JEHMD	HPD6 (J)	HPD6	
850	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp052934.exe	EG1800JFHMH	HPD8 (D)	HPD8	
851	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JWCPK	HPD9	HPD9	
852	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000600JWCPL	HPD9	HPD9	
853	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JWCPN	HPD9	HPD9	
854	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000900JXLVU	HPD9	HPD9	
855	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp055383.exe	EH000300JXLVR	HPD9	HPD9	
856	Online HDD/SSD Flash Component for Windows	cp055383.exe	EH000600JXLVT	HPD9	HPD9	

	(x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives					
857	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp057699.exe	EH000900JWCPH	HPDC	HPDC	更新
858	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp057699.exe	EH000600JWCPF	HPDC	HPDC	更新
859	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp055197.exe	EH000900JWHPK	HPD8 (B)	HPD8	
860	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp055197.exe	EH000600JWHPH	HPD8 (B)	HPD8	
861	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000900JWHPP	HPD8 (B)	HPD8	
862	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000600JWHPN	HPD8 (B)	HPD8	
863	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp055198.exe	EH000300JWHPL	HPD8 (B)	HPD8	
864	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0300JDYTH	HPD6 (J)	HPD6	
865	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0450JDYTK	HPD6 (J)	HPD6	
866	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp055097.exe	EH0600JDYTL	HPD6 (J)	HPD6	
867	Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive	cp053020.exe	EH0600JDYTN	HPD7 (G)	HPD7	
868	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp053091.exe	EK0800JVYPN	HPD7 (E)	HPD7	
869	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp053091.exe	EO1600JVYPP	HPD7 (E)	HPD7	
870	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ	cp053091.exe	MK0800JVYPQ	HPD7 (E)	HPD7	

	and MO1600JVYPR Drives					
871	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp053091.exe	MO1600JVYPR	HPD7 (E)	HPD7	
872	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO000400JWDKP	HPD2 (G)	HPD2	
873	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO000800JWDKQ	HPD2 (G)	HPD2	
874	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	EO001600JWDKR	HPD2 (G)	HPD2	
875	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO000400JWDK U	HPD2 (G)	HPD2	
876	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO000800JWDK V	HPD2 (G)	HPD2	
877	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp055115.exe	MO001600JWDLA	HPD2 (G)	HPD2	
878	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU,	cp055115.exe	MO003200JWDLB	HPD2 (G)	HPD2	

	MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
879	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	EO000400PXDBQ	HPD3 (B)	HPD3	
880	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	EO000800PXDCK	HPD3 (B)	HPD3	
881	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	EO001600PXDCH	HPD3 (B)	HPD3	
882	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	MO000800PXDBP	HPD3 (B)	HPD3	
883	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC,	cp052792.exe	MO001600PXDCC	HPD3 (B)	HPD3	

	MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
884	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	MO003200PXDCD	HPD3 (B)	HPD3	
885	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	MO006400PXDCE	HPD3 (B)	HPD3	
886	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	VO000960PXDBN	HPD3 (B)	HPD3	
887	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp052792.exe	VO001920PXDBR	HPD3 (B)	HPD3	
888	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ,	cp052792.exe	VO003840PXDBT	HPD3 (B)	HPD3	

	EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives					
889	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp052792.exe	VO007680PXDDBU	HPD3 (B)	HPD3	
890	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp052792.exe	VO015300PXDDBV	HPD3 (B)	HPD3	
891	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp055135.exe	MB002000JWFVN	HPD4 (E)	HPD4	
892	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp055135.exe	MB004000JWFVP	HPD4 (E)	HPD4	
893	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp052802.exe	MB002000JYDNE	HPD2 (B)	HPD2	
894	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp052802.exe	MB004000JYDPB	HPD2 (B)	HPD2	
895	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp052939.exe	MB004000JWFVK	HPD4 (D)	HPD4	
896	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp052939.exe	MB006000JWFVL	HPD4 (D)	HPD4	
897	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU	cp052940.exe	MB004000JWKGU	HPD2 (D)	HPD2	

	Drive					
898	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp055209.exe	MB004000JWWQ B	HPD8 (B)	HPD8	
899	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp055209.exe	MB002000JWWQ A	HPD8 (B)	HPD8	
900	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp052943.exe	MB006000JWKGN	HPD2 (D)	HPD2	
901	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp052801.exe	MB006000JYDNF	HPD2 (B)	HPD2	
902	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp052801.exe	MB008000JYDPC	HPD2 (B)	HPD2	
903	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp052773.exe	MB008000JWJRQ	HPD9 (C)	HPD9	
904	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp052773.exe	MB006000JWJRP	HPD9 (C)	HPD9	
905	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive	cp055148.exe	MB008000JWRTD	HPD2 (E)	HPD2	
906	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp055208.exe	MB008000JWWQ P	HPD8 (B)	HPD8	
907	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp055208.exe	MB006000JWWQ N	HPD8 (B)	HPD8	
908	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB010000GWZG T	HPG1 (B)	HPG1	
909	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB012000GWZG U	HPG1 (B)	HPG1	
910	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp052803.exe	MB014000GWZG V	HPG1 (B)	HPG1	
911	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT,	cp052803.exe	MB016000GWZH D	HPG1 (B)	HPG1	

	MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives					
912	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp052419.exe	MB010000GYDKP	HPG1	HPG1	
913	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp052419.exe	MB012000GYCJL	HPG1	HPG1	
914	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp052419.exe	MB014000GYCJT	HPG1	HPG1	
915	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp052419.exe	MB016000GYDKQ	HPG1	HPG1	
916	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp052419.exe	MB018000GYDKR	HPG1	HPG1	
917	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp055149.exe	MB010000JWAYK	HPD6 (D)	HPD6	
918	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp055149.exe	MB008000JWAYH	HPD6 (D)	HPD6	
919	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB010000JWZHA	HPD4 (B)	HPD4	
920	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB012000JWZHB	HPD4 (B)	HPD4	
921	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp055194.exe	MB014000JWZHC	HPD4 (B)	HPD4	
922	Online HDD/SSD Flash Component for Windows	cp055194.exe	MB016000JWZHE	HPD4 (B)	HPD4	

	(x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives					
923	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp055212.exe	MB010000JYDKK	HPD1 (B)	HPD1	
924	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp055212.exe	MB012000JYCJF	HPD1 (B)	HPD1	
925	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp055212.exe	MB014000JYCJV	HPD1 (B)	HPD1	
926	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp055212.exe	MB016000JYDKL	HPD1 (B)	HPD1	
927	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp055212.exe	MB018000JYDKN	HPD1 (B)	HPD1	
928	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp055174.exe	MB012000JWDFD	HPD3 (E)	HPD3	
929	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB012000JZYVN	HPD3	HPD3	新規追加
930	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB014000JZYVP	HPD3	HPD3	新規追加
931	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp056643.exe	MB016000JZYVQ	HPD3	HPD3	新規追加
932	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and	cp056643.exe	MB018000JYCLK	HPD3	HPD3	新規追加

	MB018000JYCLK Drives					
933	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB014000JWRTH	HPD2 (G)	HPD2	
934	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB012000JWRTF	HPD2 (G)	HPD2	
935	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp055152.exe	MB010000JWRTE	HPD2 (G)	HPD2	
936	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp052774.exe	MB014000JWTFD	HPD8 (C)	HPD8	
937	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp052774.exe	MB012000JWTFD	HPD8 (C)	HPD8	
938	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp055168.exe	MB014000JWUDB	HPD3 (E)	HPD3	
939	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp055195.exe	MB016000JWXKH	HPDA	HPDA	
940	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp055202.exe	MB016000JXLBA	HPD2 (D)	HPD2	
941	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp055202.exe	MB018000JXLAU	HPD2 (D)	HPD2	
942	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp055622.exe	MB020000JXMTP	HPD1	HPD1	
943	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp055622.exe	MB018000JXMTH	HPD1	HPD1	
944	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB1000JVYZL	HPD3 (G)	HPD3	
945	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB2000JVYZN	HPD3 (G)	HPD3	
946	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp055154.exe	MB3000JVYZP	HPD3 (G)	HPD3	
947	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL,	cp055154.exe	MB4000JVYZQ	HPD3 (G)	HPD3	

	MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives					
948	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp052952.exe	MB2000JFDSL	HPD4 (I)	HPD4	
949	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp052952.exe	MB4000JFDSN	HPD4 (I)	HPD4	
950	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp053033.exe	MB2000JFEML	HPD6 (H)	HPD6	
951	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp053033.exe	MB4000JFEMN	HPD6 (H)	HPD6	
952	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp055159.exe	MB4000JEQNL	HPDB (I)	HPDB	
953	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp055159.exe	MB6000JEQNN	HPDB (I)	HPDB	
954	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp055164.exe	MB6000JVYZD	HPD4 (G)	HPD4	
955	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp055164.exe	MB4000JVYZC	HPD4 (G)	HPD4	
956	Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive	cp055166.exe	MB8000JFECQ	HPD7 (H)	HPD7	
957	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp052067.exe	MM1000JEFRB	HPDA	HPDA	
958	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp052067.exe	MM2000JEFRC	HPDA	HPDA	
959	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp052072.exe	MM1000JFJTH	HPD5	HPD5	
960	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO000400JWFVN	HPD5 (G)	HPD5	
961	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp055170.exe	MO000800JWFVP	HPD5 (G)	HPD5	

962	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JFWVR, MO000960JFWVT, MO001920JFWVU and MO003840JFWVW Drives	cp055170.exe	MO001600JFWVQ	HPD5 (G)	HPD5	
963	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JFWVR, MO000960JFWVT, MO001920JFWVU and MO003840JFWVW Drives	cp055170.exe	MO003200JFWVR	HPD5 (G)	HPD5	
964	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JFWVR, MO000960JFWVT, MO001920JFWVU and MO003840JFWVW Drives	cp055170.exe	MO000960JFWVT	HPD5 (G)	HPD5	
965	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JFWVR, MO000960JFWVT, MO001920JFWVU and MO003840JFWVW Drives	cp055170.exe	MO001920JFWVU	HPD5 (G)	HPD5	
966	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JFWVR, MO000960JFWVT, MO001920JFWVU and MO003840JFWVW Drives	cp055170.exe	MO003840JFWVW	HPD5 (G)	HPD5	
967	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVE, MO001600JXBVF, MO003200JXBVQ, MO006400JXBVR, MO000960JXBVA, MO001920JXBVT, MO003840JXBVU, MO007680JXBVG, MO015360JXBVW, EO000400JXBVE, EO000800JXBVF and EO001600JXBVU Drives	cp055200.exe	MO000800JXBVE	HPD1 (D)	HPD1	
968	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVE, MO001600JXBVF, MO003200JXBVQ, MO006400JXBVR, MO000960JXBVA,	cp055200.exe	MO001600JXBVF	HPD1 (D)	HPD1	

	MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
969	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO003200JXBFQ	HPD1 (D)	HPD1	
970	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO006400JXBFR	HPD1 (D)	HPD1	
971	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO000960JXBFA	HPD1 (D)	HPD1	
972	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO001920JXBFT	HPD1 (D)	HPD1	
973	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV,	cp055200.exe	MO003840JXBFU	HPD1 (D)	HPD1	

	MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
974	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	
975	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	MO0015360JXBFV	HPD1 (D)	HPD1	
976	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	
977	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	cp055200.exe	EO000800JXBFL	HPD1 (D)	HPD1	

	EO001600JXBFN Drives					
978	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBVEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp055200.exe	EO001600JXBFN	HPD1 (D)	HPD1	
979	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	EO0800JEFPP	HPD3 (I)	HPD3	
980	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	EO0400JEFPE	HPD3 (I)	HPD3	
981	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	EO0200JEFPD	HPD3 (I)	HPD3	
982	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	MO1600JEFPC	HPD3 (I)	HPD3	
983	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	MO0800JEFPB	HPD3 (I)	HPD3	
984	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPP Drives	cp055172.exe	MO0400JEFPA	HPD3 (I)	HPD3	
985	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV,	cp055172.exe	MO0200JEFNV	HPD3 (I)	HPD3	

	MO0400JEFFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives					
986	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO0400JFFCF	HPD9 (F)	HPD9	
987	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO0800JFFCH	HPD9 (F)	HPD9	
988	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO1600JFFCK	HPD9 (F)	HPD9	
989	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp055190.exe	MO3200JFFCL	HPD9 (F)	HPD9	
990	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp052096.exe	VK000960JWSSQ	HPD8 (E)	HPD8	
991	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp052096.exe	VK001920JWSSR	HPD8 (E)	HPD8	
992	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp052096.exe	VK003840JWSST	HPD8 (E)	HPD8	
993	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp052096.exe	VK007680JWSSU	HPD8 (E)	HPD8	
994	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp052096.exe	VO015300JWSSV	HPD8 (E)	HPD8	
995	Online HDD/SSD Flash Component for Windows	cp053099.exe	VK0400JEABD	HPD4 (C)	HPD4	

	(x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives					
996	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp053099.exe	VK0800JEABE	HPD4 (C)	HPD4	
997	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp053099.exe	VO1600JEABF	HPD4 (C)	HPD4	
998	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO000800JWZJP	HPD5	HPD5	更新
999	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO001600JWZJQ	HPD5	HPD5	更新
1000	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO003200JWZJR	HPD5	HPD5	更新
1001	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp057766.exe	VO006400JWZJT	HPD5	HPD5	更新
1002	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	cp055199.exe	VO000960JWTBK	HPD9 (D)	HPD9	
1003	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives	cp055199.exe	VO001920JWTL	HPD9 (D)	HPD9	
1004	Online HDD/SSD Flash	cp055199.exe	VO003840JWTLN	HPD9 (D)	HPD9	

	Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives					
1005	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp055199.exe	VO007680JWTKP	HPD9 (D)	HPD9	
1006	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp055199.exe	MO000400JWTKQ	HPD9 (D)	HPD9	
1007	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTKA and EO001600JWTKC Drives	cp055199.exe	MO000800JWTKR	HPD9 (D)	HPD9	
1008	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD,	cp055199.exe	MO001600JWTKT	HPD9 (D)	HPD9	

	EO000400JWTVB, EO000800JWTVCA and EO001600JWTVCB Drives					
1009	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp055199.exe	MO003200JWTVBU	HPD9 (D)	HPD9	
1010	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp055199.exe	MO006400JWTVCD	HPD9 (D)	HPD9	
1011	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp055199.exe	EO000400JWTVBV	HPD9 (D)	HPD9	
1012	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	cp055199.exe	EO000800JWTVCA	HPD9 (D)	HPD9	
1013	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ,	cp055199.exe	EO001600JWTVCB	HPD9 (D)	HPD9	

	MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives					
1014	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	cp055199.exe	EO003200JWBTR	HPD9 (D)	HPD9	
1015	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR, MO000400JWBTR, MO000800JWBTR, MO001600JWBTR, MO003200JWBTR, MO006400JWBTR, EO000400JWBTR, EO000800JWBTR and EO001600JWBTR Drives	cp055199.exe	MO001920JWBTR WV	HPD9 (D)	HPD9	
1016	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR and VO015360JWBTR Drives	cp057760.exe	VO000960JWBTR	HPD5	HPD5	更新
1017	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR and VO015360JWBTR Drives	cp057760.exe	VO001920JWBTR	HPD5	HPD5	更新
1018	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR and VO015360JWBTR Drives	cp057760.exe	VO003840JWBTR	HPD5	HPD5	更新
1019	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR and VO015360JWBTR Drives	cp057760.exe	VO007680JWBTR	HPD5	HPD5	更新
1020	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTR, VO001920JWBTR, VO003840JWBTR, VO007680JWBTR and VO015360JWBTR Drives	cp057760.exe	VO015360JWBTR	HPD5	HPD5	更新

	VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives					
1021	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO000960RWUEV	HPD7 (B)	HPD7	
1022	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO001920RWUFA	HPD7 (B)	HPD7	
1023	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO003840RWUFB	HPD7 (B)	HPD7	
1024	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO007680RWUFC	HPD7 (B)	HPD7	
1025	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO000960RWUFD	HPD7 (B)	HPD7	
1026	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp055206.exe	VO001920RWUFE	HPD7 (B)	HPD7	
1027	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and	cp055206.exe	VO003840RWUFF	HPD7 (B)	HPD7	

	VO003840RWUFF Drives					
1028	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp052793.exe	VO003840XZCLT	HPD2 (B)	HPD2	
1029	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp052793.exe	VO007680XZCMB	HPD2 (B)	HPD2	
1030	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp052793.exe	MO000800XZCLQ	HPD2 (B)	HPD2	
1031	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp052793.exe	MO001600XZCLV	HPD2 (B)	HPD2	
1032	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp052101.exe	VO007680JWCNK	HPD8 (E)	HPD8	
1033	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp052101.exe	VO015300JWCNL	HPD8 (E)	HPD8	
1034	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO0480JFDGT	HPD9 (F)	HPD9	
1035	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO0960JFDGU	HPD9 (F)	HPD9	
1036	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO1920JFDGV	HPD9 (F)	HPD9	
1037	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp055189.exe	VO3840JFDHA	HPD9 (F)	HPD9	

6.2.15 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1038	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE,	CP055261.zip	EK000200GWEPD	HPG3 (I)	HPG3	

	EK000800GWEPE and EK001600GWEPE Drives					
1039	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPE, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK000400GWEPE	HPG3 (I)	HPG3	
1040	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPE, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK000800GWEPE	HPG3 (I)	HPG3	
1041	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPE, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	CP055261.zip	EK001600GWEPE	HPG3 (I)	HPG3	
1042	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP055250.zip	MB001000GWCBC	HPG6 (H)	HPG6	
1043	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP055250.zip	MB002000GWCBC	HPG6 (H)	HPG6	
1044	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWK and MB002000GFWL Drives	CP053380.zip	MB001000GFWK	HPG6 (H)	HPG6	
1045	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWK and MB002000GFWL Drives	CP053380.zip	MB002000GFWL	HPG6 (H)	HPG6	
1046	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP053382.zip	MB001000GWJAN	HPG1 (H)	HPG1	
1047	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP053382.zip	MB002000GFWA	HPG1 (H)	HPG1	
1048	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP053382.zip	MB004000GFWB	HPG1 (H)	HPG1	
1049	Online HDD/SSD Flash Component for VMware ESXi - MB004000GKWGV Drive	CP053386.zip	MB004000GKWGV	HPG1 (H)	HPG1	
1050	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP053428.zip	MB004000GWWQH	HPG5 (B)	HPG5	
1051	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP053428.zip	MB002000GWWQF	HPG5 (B)	HPG5	
1052	Online HDD/SSD Flash Component for VMware ESXi	CP053428.zip	MB001000GWWQE	HPG5 (B)	HPG5	

	- MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives					
1053	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP055304.zip	MB006000GWBX Q	HPG8 (H)	HPG8	
1054	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP055304.zip	MB008000GWBXL	HPG8 (H)	HPG8	
1055	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP054407.zip	MB006000GWJRR	HPG6	HPG6	
1056	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP054407.zip	MB008000GWJRT	HPG6	HPG6	
1057	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP053392.zip	MB006000GWKGR	HPG1 (H)	HPG1	
1058	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP053396.zip	MB008000GWRTC	HPG1 (H)	HPG1	
1059	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP053884.zip	MB008000GWW QU	HPG7	HPG7	
1060	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP053884.zip	MB006000GWW QT	HPG7	HPG7	
1061	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP055306.zip	MB010000GWAY N	HPG5 (I)	HPG5	
1062	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP055306.zip	MB008000GWAYL	HPG5 (I)	HPG5	
1063	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP053400.zip	MB012000GWDF E	HPG3 (D)	HPG3	
1064	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB012000GWTFE	HPG8	HPG8	
1065	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP054181.zip	MB014000GWTFE	HPG8	HPG8	
1066	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB012000GZYVT	HPG3	HPG3	新規追加
1067	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB014000GZYVU	HPG3	HPG3	新規追加
1068	Online HDD/SSD Flash Component for VMware ESXi	CP056645.zip	MB016000GZYVV	HPG3	HPG3	新規追加

	- MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives					
1069	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP056645.zip	MB018000GYCLL	HPG3	HPG3	新規追加
1070	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP055308.zip	MB014000GWRT N	HPG2 (H)	HPG2	
1071	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP055308.zip	MB012000GWRTL	HPG2 (H)	HPG2	
1072	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP055308.zip	MB010000GWRT K	HPG2 (H)	HPG2	
1073	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP053404.zip	MB014000GWUD A	HPG2 (H)	HPG2	
1074	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP053446.zip	MB016000GWXK K	HPG4	HPG4	
1075	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP055667.zip	MB018000GXMTK	HPG1	HPG1	
1076	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP055667.zip	MB020000GXMT Q	HPG1	HPG1	
1077	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB1000GDUNU	HPG4 (M)	HPG4	
1078	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB2000GDUNV	HPG4 (M)	HPG4	
1079	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB3000GDUPA	HPG4 (M)	HPG4	
1080	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP055310.zip	MB4000GDUPB	HPG4 (M)	HPG4	
1081	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE,	CP055311.zip	MB1000GVYZE	HPG5 (B)	HPG5	

	MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives					
1082	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB2000GVYZF	HPG5 (B)	HPG5	
1083	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB3000GVYZH	HPG5 (B)	HPG5	
1084	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP055311.zip	MB4000GVYZK	HPG5 (B)	HPG5	
1085	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP055314.zip	MB2000GFEMH	HPG6 (K)	HPG6	
1086	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP055314.zip	MB4000GFEMK	HPG6 (K)	HPG6	
1087	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive	CP055323.zip	MB6000GEBTP	HPG4 (K)	HPG4	
1088	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP055324.zip	MB6000GEQUT	HPGB (K)	HPGB	
1089	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP055324.zip	MB8000GEQUU	HPGB (K)	HPGB	
1090	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP055326.zip	MB6000GVYZB	HPG5 (B)	HPG5	
1091	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP055326.zip	MB4000GVYZA	HPG5 (B)	HPG5	
1092	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP055338.zip	MK000240GWCE U	HPG3 (I)	HPG3	
1093	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP055338.zip	MK000480GWCE V	HPG3 (I)	HPG3	
1094	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP055338.zip	MK000960GWCFA	HPG3 (I)	HPG3	

1095	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFB and MK001920GWCFB Drives	CP055338.zip	MK001920GWCFB	HPG3 (I)	HPG3	
1096	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000480GWSSC	HPG3 (E)	HPG3	
1097	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK000960GWSSD	HPG3 (E)	HPG3	
1098	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK001920GWSSE	HPG3 (E)	HPG3	
1099	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP053430.zip	MK003840GWSSF	HPG3 (E)	HPG3	
1100	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK000480GWXFF	HPG3	HPG3	更新
1101	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK000960GWXFH	HPG3	HPG3	更新
1102	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK001920GWXFK	HPG3	HPG3	更新
1103	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP056439.zip	MK003840GWXFL	HPG3	HPG3	更新
1104	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000480GZXRA	HPG1	HPG1	
1105	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK000960GZXR B	HPG1	HPG1	

1106	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK001920GZXRC	HPG1	HPG1	
1107	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives.	CP055686.zip	MK003840GZXRV	HPG1	HPG1	
1108	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP053414.zip	MM1000GFJTE	HPG6 (B)	HPG6	
1109	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP053412.zip	MM2000GEFRA	HPG9 (B)	HPG9	
1110	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR000240GWFLU	HPGG (D)	HPGG	
1111	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR000480GWFLV	HPGG (D)	HPGG	
1112	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR000480GWFMD	HPGG (D)	HPGG	
1113	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	MR000960GWFMA	HPGG (D)	HPGG	
1114	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR000960GWFME	HPGG (D)	HPGG	
1115	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU,	CP055342.zip	MR001920GWFMB	HPGG (D)	HPGG	

	MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1116	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP055342.zip	VR001920GWFMC	HPGG (D)	HPGG	
1117	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000240GWCFD	HPG3 (I)	HPG3	
1118	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000480GWCFE	HPG3 (I)	HPG3	
1119	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK000960GWCFE	HPG3 (I)	HPG3	
1120	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK001920GWCFH	HPG3 (I)	HPG3	
1121	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP055347.zip	VK003840GWCFK	HPG3 (I)	HPG3	
1122	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK000240GWEZB	HPGG (D)	HPGG	
1123	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE,	CP055345.zip	VK000480GWEZC	HPGG (D)	HPGG	

	MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1124	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK000960GWEZD	HPGG (D)	HPGG	
1125	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	VK001920GWEZE	HPGG (D)	HPGG	
1126	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	MK000240GWEZF	HPGG (D)	HPGG	
1127	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	
1128	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP055345.zip	MK000960GWEZK	HPGG (D)	HPGG	
1129	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	
1130	Online HDD/SSD Flash Component for VMware ESXi	CP055359.zip	MK000240GWKV K	HPG5 (H)	HPG5	

	- VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives					
1131	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	
1132	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	MK000960GWJPP	HPG5 (H)	HPG5	
1133	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	MK001920GWJPQ	HPG5 (H)	HPG5	
1134	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	VK000240GWJPD	HPG5 (H)	HPG5	
1135	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	VK000480GWJPE	HPG5 (H)	HPG5	
1136	Online HDD/SSD Flash Component for VMware ESXi	CP055359.zip	VK000960GWJPF	HPG5 (H)	HPG5	

	- VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives					
1137	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	VK001920GWJPH	HPG5 (H)	HPG5	
1138	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP055359.zip	VK003840GWJPK	HPG5 (H)	HPG5	
1139	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000240GWSRQ	HPG4 (E)	HPG4	
1140	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000480GWSRR	HPG4 (E)	HPG4	
1141	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK000960GWSRT	HPG4 (E)	HPG4	
1142	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK001920GWSRU	HPG4 (E)	HPG4	
1143	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP053432.zip	VK003840GWSRV	HPG4 (E)	HPG4	

1144	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	VK000240GWTSV	HPG7	HPG7	更新
1145	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	VK000480GWTTA	HPG7	HPG7	更新
1146	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	VK000960GWTTB	HPG7	HPG7	更新
1147	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	VK001920GW TTC	HPG7	HPG7	更新
1148	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	VK003840GWTTD	HPG7	HPG7	更新
1149	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTT H, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK000480GWTT H	HPG7	HPG7	更新

1150	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK000960GWTTK	HPG7	HPG7	更新
1151	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK001920GWTTL	HPG7	HPG7	更新
1152	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP056490.zip	MK003840GWTTN	HPG7	HPG7	更新
1153	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000240GXAWE	HPG1 (D)	HPG1	
1154	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK000480GXAWK	HPG1 (D)	HPG1	
1155	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL,	CP053453.zip	VK000960GXAWL	HPG1 (D)	HPG1	

	VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1156	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK001920GXAWN	HPG1 (D)	HPG1	
1157	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK003840GXAWP	HPG1 (D)	HPG1	
1158	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VK007680GXAWQ	HPG1 (D)	HPG1	
1159	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK000480GXAWF	HPG1 (D)	HPG1	
1160	Online HDD/SSD Flash	CP053453.zip	MK000960GXAXB	HPG1 (D)	HPG1	

	Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1161	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK001920GXAW R	HPG1 (D)	HPG1	
1162	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MK003840GXAW T	HPG1 (D)	HPG1	
1163	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	VR000240GXBBL	HPG1 (D)	HPG1	
1164	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT,	CP053453.zip	MR000480GXBGH	HPG1 (D)	HPG1	

	VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1165	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP053453.zip	MR000960GXBGK	HPG1 (D)	HPG1	
1166	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000240GZXRU	HPG1	HPG1	
1167	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000480GZXRF	HPG1	HPG1	
1168	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK000960GZXQU	HPG1	HPG1	
1169	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK001920GZXQV	HPG1	HPG1	
1170	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK003840GZXRH	HPG1	HPG1	
1171	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP055690.zip	VK007680GZXRT	HPG1	HPG1	
1172	Online HDD/SSD Flash	CP055348.zip	VK000480GWSXF	HPG3 (D)	HPG3	

	Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives					
1173	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	VK000960GWSXH	HPG3 (D)	HPG3	
1174	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	VK001920GWSXK	HPG3 (D)	HPG3	
1175	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	MK000480GWUG F	HPG3 (D)	HPG3	
1176	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	MK000960GWUG H	HPG3 (D)	HPG3	
1177	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP055348.zip	MK001920GWUG K	HPG3 (D)	HPG3	
1178	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK000480GWTHA	HPG4 (B)	HPG4	
1179	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK000960GWTHB	HPG4 (B)	HPG4	
1180	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP055425.zip	VK001920GWTHC	HPG4 (B)	HPG4	
1181	Online HDD/SSD Flash	CP055425.zip	VK003840GWTHD	HPG4 (B)	HPG4	

	Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives					
1182	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000480GZCNE	HPG3	HPG3	更新
1183	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK000960GZCNF	HPG3	HPG3	更新
1184	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK001920GZCNH	HPG3	HPG3	更新
1185	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP056237.zip	VK003840GZCNK	HPG3	HPG3	更新
1186	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK000960GXCLD	HPG3 (C)	HPG3	
1187	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK001920GXCGP	HPG3 (C)	HPG3	
1188	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK003840GXCGQ	HPG3 (C)	HPG3	
1189	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP055419.zip	VK007680GXCGR	HPG3 (C)	HPG3	
1190	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP055349.zip	VK003840GWSXL	HPG3 (D)	HPG3	
1191	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP055346.zip	VK007680GWSXN	HPG3 (D)	HPG3	
1192	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPEF and EK001600GWEPEH Drives	cp055114.exe	EK000200GWEPD	HPG3 (H)	HPG3	
1193	Online HDD/SSD Flash	cp055114.exe	EK000400GWEPE	HPG3 (H)	HPG3	

	Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and EK001600GWEPPH Drives					
1194	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and EK001600GWEPPH Drives	cp055114.exe	EK000800GWEPP	HPG3 (H)	HPG3	
1195	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and EK001600GWEPPH Drives	cp055114.exe	EK001600GWEPPH	HPG3 (H)	HPG3	
1196	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp052749.exe	MB001000GWCBC	HPG6 (G)	HPG6	
1197	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp052749.exe	MB002000GWCBC	HPG6 (G)	HPG6	
1198	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWK and MB002000GFWL Drives	cp055117.exe	MB001000GFWK	HPG6 (H)	HPG6	
1199	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWK and MB002000GFWL Drives	cp055117.exe	MB002000GFWL	HPG6 (H)	HPG6	
1200	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	cp055133.exe	MB001000GWJAN	HPG1 (H)	HPG1	
1201	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	cp055133.exe	MB002000GFWA	HPG1 (H)	HPG1	
1202	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	cp055133.exe	MB004000GFWB	HPG1 (H)	HPG1	
1203	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp055136.exe	MB004000GWKGV	HPG1 (H)	HPG1	
1204	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp052423.exe	MB004000GWWQH	HPG5	HPG5	
1205	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp052423.exe	MB002000GWWQF	HPG5	HPG5	
1206	Online HDD/SSD Flash Component for Windows	cp052423.exe	MB001000GWWQE	HPG5	HPG5	

	(x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives					
1207	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp055137.exe	MB006000GWBXQ	HPG8 (G)	HPG8	
1208	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp055137.exe	MB008000GWBXL	HPG8 (G)	HPG8	
1209	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp055191.exe	MB006000GWJRR	HPG6 (B)	HPG6	
1210	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp055191.exe	MB008000GWJRT	HPG6 (B)	HPG6	
1211	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp055140.exe	MB006000GWKGR	HPG1 (H)	HPG1	
1212	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp055147.exe	MB008000GWRTC	HPG1 (H)	HPG1	
1213	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp055186.exe	MB008000GWWQU	HPG7 (B)	HPG7	
1214	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp055186.exe	MB006000GWWQT	HPG7 (B)	HPG7	
1215	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp053025.exe	MB010000GWAYN	HPG5 (G)	HPG5	
1216	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp053025.exe	MB008000GWAYL	HPG5 (G)	HPG5	
1217	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp055150.exe	MB012000GWDFE	HPG3 (E)	HPG3	
1218	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp054892.exe	MB012000GWTFE	HPG8 (B)	HPG8	
1219	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp054892.exe	MB014000GWTFE	HPG8 (B)	HPG8	
1220	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB012000GZYVT	HPG3	HPG3	新規追加
1221	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT,	cp056646.exe	MB014000GZYVU	HPG3	HPG3	新規追加

	MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives					
1222	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB016000GZYVV	HPG3	HPG3	新規追加
1223	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp056646.exe	MB018000GYCLL	HPG3	HPG3	新規追加
1224	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB014000GWRT N	HPG2 (G)	HPG2	
1225	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB012000GWRTL	HPG2 (G)	HPG2	
1226	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp055151.exe	MB010000GWRT K	HPG2 (G)	HPG2	
1227	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp055211.exe	MB014000GWUD A	HPG2 (H)	HPG2	
1228	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp055196.exe	MB016000GWXK K	HPG4	HPG4	
1229	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp055668.exe	MB018000GXMTK	HPG1	HPG1	
1230	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp055668.exe	MB020000GXMT Q	HPG1	HPG1	
1231	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB1000GDUNU	HPG4 (K)	HPG4	
1232	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB2000GDUNV	HPG4 (K)	HPG4	
1233	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp055153.exe	MB3000GDUPA	HPG4 (K)	HPG4	
1234	Online HDD/SSD Flash Component for Windows	cp055153.exe	MB4000GDUPB	HPG4 (K)	HPG4	

	(x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives					
1235	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB1000GVYZE	HPG5	HPG5	
1236	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB2000GVYZF	HPG5	HPG5	
1237	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB3000GVYZH	HPG5	HPG5	
1238	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp052429.exe	MB4000GVYZK	HPG5	HPG5	
1239	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp053032.exe	MB2000GFEMH	HPG6 (I)	HPG6	
1240	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp053032.exe	MB4000GFEMK	HPG6 (I)	HPG6	
1241	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive	cp055160.exe	MB6000GEBTP	HPG4 (J)	HPG4	
1242	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp053040.exe	MB6000GEQUT	HPGB (I)	HPGB	
1243	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp053040.exe	MB8000GEQUU	HPGB (I)	HPGB	
1244	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp052426.exe	MB6000GVYZB	HPG5	HPG5	
1245	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp052426.exe	MB4000GVYZA	HPG5	HPG5	
1246	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFA Drives	cp055169.exe	MK000480GWCEV	HPG3 (H)	HPG3	
1247	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and	cp055169.exe	MK000960GWCFA	HPG3 (H)	HPG3	

	MK001920GWCFB Drives					
1248	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFB and MK001920GWCFB Drives	cp055169.exe	MK001920GWCFB	HPG3 (H)	HPG3	
1249	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFB and MK001920GWCFB Drives	cp055169.exe	MK000240GWCEU	HPG3 (H)	HPG3	
1250	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK000480GWSSC	HPG3 (F)	HPG3	
1251	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK000960GWSSD	HPG3 (F)	HPG3	
1252	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK001920GWSSE	HPG3 (F)	HPG3	
1253	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp055187.exe	MK003840GWSSF	HPG3 (F)	HPG3	
1254	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000480GWXFF	HPG3	HPG3	更新
1255	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK000960GWXFH	HPG3	HPG3	更新
1256	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK001920GWXFK	HPG3	HPG3	更新
1257	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp056440.exe	MK003840GWXFL	HPG3	HPG3	更新
1258	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and	cp055687.exe	MK000480GZXRA	HPG1	HPG1	

	MK003840GZXRV Drives					
1259	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK000960GZXR B	HPG1	HPG1	
1260	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK001920GZXRC	HPG1	HPG1	
1261	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR B, MK001920GZXRC and MK003840GZXRV Drives	cp055687.exe	MK003840GZXR V	HPG1	HPG1	
1262	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp052336.exe	MM1000GFJTE	HPG6	HPG6	
1263	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp052135.exe	MM2000GEFRA	HPG9	HPG9	
1264	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000240GWFLU	HPGG (D)	HPGG	
1265	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000480GWFLV	HPGG (D)	HPGG	
1266	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	VR000480GWFMD	HPGG (D)	HPGG	
1267	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR000960GWFMA	HPGG (D)	HPGG	
1268	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD,	cp055173.exe	VR000960GWFME	HPGG (D)	HPGG	

	MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1269	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	MR001920GWFM B	HPGG (D)	HPGG	
1270	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp055173.exe	VR001920GWFM C	HPGG (D)	HPGG	
1271	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000480GWCFE	HPG3 (H)	HPG3	
1272	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000960GWCFE	HPG3 (H)	HPG3	
1273	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK000240GWCFD	HPG3 (H)	HPG3	
1274	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK001920GWCFH	HPG3 (H)	HPG3	
1275	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp055177.exe	VK003840GWCFK	HPG3 (H)	HPG3	
1276	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and	cp055176.exe	VK000240GWEZB	HPGG (D)	HPGG	

	MK001920GWHRU Drives					
1277	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK000480GWEZC	HPGG (D)	HPGG	
1278	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK000960GWEZD	HPGG (D)	HPGG	
1279	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	VK001920GWEZE	HPGG (D)	HPGG	
1280	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000240GWEZF	HPGG (D)	HPGG	
1281	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000480GWEZH	HPGG (D)	HPGG	
1282	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp055176.exe	MK000960GWEZK	HPGG (D)	HPGG	
1283	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD,	cp055176.exe	MK001920GWHRU	HPGG (D)	HPGG	

	VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1284	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	
1285	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	
1286	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	
1287	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	
1288	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	
1289	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH,	cp053095.exe	VK000480GWJPE	HPG5 (F)	HPG5	

	VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives					
1290	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	VK000960GWJPF	HPG5 (F)	HPG5	
1291	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	VK001920GWJPH	HPG5 (F)	HPG5	
1292	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp053095.exe	VK003840GWJPK	HPG5 (F)	HPG5	
1293	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000240GWSRQ	HPG4 (F)	HPG4	
1294	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000480GWSRR	HPG4 (F)	HPG4	
1295	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK000960GWSRT	HPG4 (F)	HPG4	
1296	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK001920GWSRU	HPG4 (F)	HPG4	

1297	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp055188.exe	VK003840GWSRV	HPG4 (F)	HPG4	
1298	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000240GWTSV	HPG7	HPG7	更新
1299	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000480GWTTA	HPG7	HPG7	更新
1300	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK000960GWTTB	HPG7	HPG7	更新
1301	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK001920GWTTT	HPG7	HPG7	更新
1302	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	VK003840GWTTD	HPG7	HPG7	更新
1303	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA,	cp056491.exe	MK000480GWTT H	HPG7	HPG7	更新

	VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1304	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK000960GWTTK	HPG7	HPG7	更新
1305	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK001920GWTTL	HPG7	HPG7	更新
1306	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp056491.exe	MK003840GWTT N	HPG7	HPG7	更新
1307	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	
1308	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR,	cp055201.exe	VK000480GXAWK	HPG1 (E)	HPG1	

	MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1309	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	VK000960GXAWL	HPG1 (E)	HPG1	
1310	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	VK001920GXAWN	HPG1 (E)	HPG1	
1311	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	VK003840GXAWP	HPG1 (E)	HPG1	
1312	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	VK007680GXAWQ	HPG1 (E)	HPG1	
1313	Online HDD/SSD Flash Component for Windows	cp055201.exe	MK000480GXAWF	HPG1 (E)	HPG1	

	(x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1314	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	
1315	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	
1316	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	
1317	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ,	cp055201.exe	VR000240GXBBL	HPG1 (E)	HPG1	

	MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1318	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MR000480GXBGH	HPG1 (E)	HPG1	
1319	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp055201.exe	MR000960GXBGK	HPG1 (E)	HPG1	
1320	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000240GZXRU	HPG1	HPG1	
1321	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000480GZXRF	HPG1	HPG1	
1322	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK000960GZXQU	HPG1	HPG1	
1323	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU,	cp055692.exe	VK001920GZXQV	HPG1	HPG1	

	VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives					
1324	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK003840GZXRH	HPG1	HPG1	
1325	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp055692.exe	VK007680GZXRT	HPG1	HPG1	
1326	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK000480GWSXF	HPG3 (D)	HPG3	
1327	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK000960GWSXH	HPG3 (D)	HPG3	
1328	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	VK001920GWSXK	HPG3 (D)	HPG3	
1329	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	MK000480GWUG F	HPG3 (D)	HPG3	
1330	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp055179.exe	MK000960GWUG H	HPG3 (D)	HPG3	
1331	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and	cp055179.exe	MK001920GWUG K	HPG3 (D)	HPG3	

	MK001920GWUGK Drives					
1332	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK000480GWTHA	HPG4	HPG4	
1333	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK000960GWTHB	HPG4	HPG4	
1334	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK001920GWTHC	HPG4	HPG4	
1335	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp053599.exe	VK003840GWTHD	HPG4	HPG4	
1336	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK000480GZCNE	HPG3	HPG3	更新
1337	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK000960GZCNF	HPG3	HPG3	更新
1338	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK001920GZCNH	HPG3	HPG3	更新
1339	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp056238.exe	VK003840GZCNK	HPG3	HPG3	更新
1340	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK000960GXCLD	HPG3 (B)	HPG3	
1341	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK001920GXCGP	HPG3 (B)	HPG3	
1342	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and	cp053104.exe	VK003840GXCGQ	HPG3 (B)	HPG3	

	VK007680GXCGR Drives					
1343	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp053104.exe	VK007680GXCGR	HPG3 (B)	HPG3	
1344	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp055180.exe	VK003840GWSXL	HPG3 (D)	HPG3	
1345	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp055181.exe	VK007680GWSXN	HPG3 (D)	HPG3	

6.2.16 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1346	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_Gen11_1.2.14.1010_A.fwpkg	HPE NS204i-p Gen10+ Boot Controller	1.2.14.1010	1.2.14.1010	更新
1347	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_Gen11_1.2.14.1010_A.fwpkg	HPE NS204i-r Gen10+ Boot Controller	1.2.14.1010	1.2.14.1010	更新
1348	Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller	HPE_MR216i-a_Gen10P_52.24.3-4948_A.fwpkg	Broadcom MR216i-a Cntrl for HPE Gen10+	52.24.3-4948	52.24.3-4948	更新
1349	Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller with Gen10 and Gen10 Plus servers	HPE_MR216i-p_Gen10P_52.24.3-4948_A.fwpkg	Broadcom MR216i-p Cntrl for HPE Gen10+	52.24.3-4948	52.24.3-4948	更新
1350	Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller	HPE_MR416i-a_Gen10P_52.24.3-4948_A.fwpkg	Broadcom MR416i-a Cntrl for HPE Gen10+	52.24.3-4948	52.24.3-4948	更新
1351	Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller with Gen10 and Gen10 Plus servers	HPE_MR416i-p_Gen10P_52.24.3-4948_A.fwpkg	Broadcom MR416i-p Cntrl for HPE Gen10+	52.24.3-4948	52.24.3-4948	更新
1352	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_6.22_A.fwpkg	HPE Smart Array P816i-a SR Gen10 Controller	6.22	6.22	更新
1353	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_6.22_A.fwpkg	HPE Smart Array P408i-a SR Gen10 Controller	6.22	6.22	更新
1354	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	HPE_SR_Gen10_6.22_A.fwpkg	HPE Smart Array P408i-p SR Gen10 Controller	6.22	6.22	更新

	Gen11 controllers					
1355	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_6.22_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	6.22	6.22	更新
1356	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_6.22_A.fwpkg	HPE Smart Array E208i-a SR Gen10 Controller	6.22	6.22	更新
1357	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_6.22_A.fwpkg	HPE Smart Array E208i-p SR Gen10 Controller	6.22	6.22	更新
1358	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	更新
1359	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	更新
1360	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	更新
1361	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	更新

6.2.17 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1362	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp055590.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1363	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp055590.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1364	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp055590.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1365	HPE Firmware Flash for Emulex Fibre Channel Host	cp055590.exe	HPE SN1600E 32Gb Single Port	2023.09.01	14.2.589.5	更新

	Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64		Fibre Channel Host Bus Adapter			
1366	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp055590.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1367	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp055590.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1368	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1369	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1370	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1371	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1372	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1373	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP055587.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1374	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1375	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1376	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1377	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1378	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1379	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP055588.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	14.2.589.5	更新
1380	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新

1381	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1382	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1383	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1384	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	02.08.05	更新
1385	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp056124.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	02.08.05	更新
1386	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1387	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1388	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1389	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1390	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	02.08.05	更新
1391	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP056121.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	02.08.05	更新
1392	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP056122.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1393	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP056122.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1394	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP056122.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1395	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP056122.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	02.01.03	更新
1396	HPE Firmware Flash for	CP056122.zip	HPE SN1610Q	2023.09.01	02.08.05	更新

	QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0		32Gb 1-port Fibre Channel Host Bus Adapter			
1397	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP056122.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	02.08.05	更新

6.2.18 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1398	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B24.fwpkg	NVMe Backplane PIC	1.24 (E)	1.24	
1399	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	
1400	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM3_1.24_F.fwpkg	UBM3 Backplane PIC	1.24 (F)	1.24	
1401	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	
1402	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	更新
1403	Online Flash Component for Windows x64 - Gen10Plus UBM2 Backplane PIC Firmware	cp052829.exe	Gen10Plus_UBM2_Backplane_PIC	1.20 (B)	1.20	
1404	Online Flash Component for Windows x64 - Gen10Plus UBM3 Backplane PIC Firmware	cp052311.exe	Gen10Plus_UBM3_Backplane_PIC	1.24 (B)	1.24	
1405	Online Flash Component for Windows x64 - Gen10Plus UBM4 Backplane PIC Firmware	cp053175.exe	Gen10Plus_UBM4_Backplane_PIC	1.24 (B)	1.24	
1406	Online Flash Component for Windows x64 - Gen10Plus UBM6 Backplane PIC Firmware	cp056325.exe	Gen10Plus_UBM6_Backplane_PIC	1.04	1.04	更新
1407	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	更新
1408	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp057661.exe	Server Platform Services (SPS) Firmware	04.04.04.500	04.04.04.500	更新
1409	Online ROM Flash Component for Windows x64	cp057657.exe	Server Platform Services (SPS)	04.04.04.500	04.04.04.500	更新

	- Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers		Firmware			
1410	Online ROM Flash Component for Windows x64 - Server Platform Services (SPS) Firmware for HPE Gen10 Servers	cp057643.exe	Server Platform Services (SPS) Firmware	04.01.05.002	04.01.05.002	更新
1411	Online ROM Flash Component for Windows x64 - Server Platform Services (SPS) Firmware for HPE ProLiant DL20 Gen10 Plus	cp057272.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.505	06.00.03.505	更新
1412	Online ROM Flash Component for Windows x64 - Server Platform Services (SPS) Firmware for HPE ProLiant ML30 Gen10 Plus	cp057279.exe	Server Platform Services Manageability Engine Firmware	06.00.03.505	06.00.03.505	更新
1413	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp057280.exe	Server Platform Services Manageability Engine Firmware	06.00.03.505	06.00.03.505	更新
1414	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	更新
1415	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	cp057275.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.505	06.00.03.505	更新
1416	Online ROM Flash for Windows x64 - HPE Gen10 Innovation Engine Firmware for HPE Gen10 Servers	cp053637.exe	Innovation Engine (IE) Firmware	0.2.3.0 (B)	0.2.3.0	
1417	Online ROM Flash for Windows x64 - HPE Gen10 Plus Innovation Engine Firmware for HPE Gen10 Plus Servers	cp053640.exe	Innovation Engine (IE) Firmware	1.0.0.22 (C)	1.0.0.22	
1418	ROM Flash Firmware Package - HPE Gen10 Innovation Engine Firmware for HPE Gen10 Servers	IEGen10_0.2.3.0.fwpkg	Innovation Engine (IE) Universal Image.	0.2.3.0 (B)	0.2.3.0	
1419	ROM Flash Firmware Package - HPE Gen10 Plus Innovation Engine Firmware for HPE Gen10 Plus Servers	IEGen10Plus_1.0.0.22.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.22 (B)	1.0.0.22	
1420	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.3.0.fwpkg	Innovation Engine (IE) Universal Image.	0.2.3.0 (B)	0.2.3.0	
1421	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.IEGen10Plus_1.0.0.22.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.22 (B)	1.0.0.22	

1422	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers	SPSGen10Plus_04.04.04.500.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.500	04.04.04.500	更新
1423	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE Gen10 Servers	SPSGen10_04.01.05.002.fwpkg	Server Platform Services (SPS) Firmware	04.01.05.002	04.01.05.002	更新
1424	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE ProLiant DL20 Gen10 Plus Servers	SC_DL20GEN10Plus_ME_06.00.03.505.fwpkg	Server Platform Services Firmware for DL20 Gen10 Plus	06.00.03.505	06.00.03.505	新規追加
1425	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE ProLiant ML30 Gen10 Plus Servers	SC_ML30GEN10Plus_ME_06.00.03.505.fwpkg	Server Platform Services Firmware for ML30 Gen10 Plus	06.00.03.505	06.00.03.505	新規追加
1426	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	更新
1427	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.SPSGen10Plus_04.04.04.500.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.500	04.04.04.500	更新
1428	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.DL20ML30Gen10SPS_05.01.04.913.fwpkg	Server Platform Services (SPS) E3 Firmware	05.01.04.913	05.01.04.913	更新
1429	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.SC_ML30GEN10Plus_ME_06.00.03.505.fwpkg	Server Platform Services Firmware for ML30 Gen10 Plus	06.00.03.505	06.00.03.505	更新
1430	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	OEM.SC_DL20GEN10Plus_ME_06.00.03.505.fwpkg	Server Platform Services Firmware for DL20 Gen10 Plus	06.00.03.505	06.00.03.505	更新

6.2.19 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1431	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
1432	HPE Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers	cp054825.zip	-	2023.07.01	701.11.9.5.16-10EM.701.0.0.16850804	更新
1433	HPE Fiber Channel and Storage Enablement Bundle	cp050934.zip	-	2022.09.01	2022.09.01	

	Smart Component for ESXi 7.0					
1434	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0	cp051152.zip	-	2022.09.01	2022.09.01	
1435	HPE iLO Driver Bundle Smart Component for ESXi 7.0	cp058423.zip	-	2023.09.00	700.10.8.1.6-1OEM.700.1.0.15843807	更新
1436	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array P816i-a SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1437	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array P408i-a SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1438	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array P408i-p SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1439	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1440	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array E208i-a SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1441	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	HPE Smart Array E208i-p SR Gen10 Controller	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1442	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1443	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1444	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055679.zip	-	2023.10.01	6.25.9.0-7.0.0.1552599 2.oem	更新
1445	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array P816i-a SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1446	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array P408i-a SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1447	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array P408i-p SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1448	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array E208e-p SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1449	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	HPE Smart Array E208i-a SR Gen10 Controller	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1450	Smart Storage Administrator	cp055680.zip	HPE Smart Array	2023.10.01	6.25.9.0-	更新

	(SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers		E208i-p SR Gen10 Controller		8.0.0.2014309 0.oem	
1451	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1452	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新
1453	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp055680.zip	-	2023.10.01	6.25.9.0-8.0.0.2014309 0.oem	更新

6.2.21 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1454	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.05.01 (B)	007.2417.000 0.0000-01	更新
1455	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.05.01 (B)	007.2417.000 0.0000-01	更新
1456	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.05.01 (B)	007.2417.000 0.0000-01	更新
1457	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10 Plus and Gen11 Controllers)	cp057858.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.05.01 (B)	007.2417.000 0.0000-01	更新
1458	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.05.01 (C)	007.2417.000 0.0000-01	更新
1459	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.05.01 (C)	007.2417.000 0.0000-01	更新
1460	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.05.01 (C)	007.2417.000 0.0000-01	更新
1461	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10 Plus and Gen11 Controllers)	cp057859.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.05.01 (C)	007.2417.000 0.0000-01	更新
1462	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp053353.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.67 (B)	1.2.1.67 (B)	
1463	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp053353.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.1.67 (B)	1.2.1.67 (B)	
1464	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp053353.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.67 (B)	1.2.1.67 (B)	
1465	HPE Smart Array SR Event Notification Service for	cp053353.exe	HPE Smart Array E208e-p SR Gen10	1.2.1.67 (B)	1.2.1.67 (B)	

	Windows Server 64-bit Editions		Controller			
1466	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp053353.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.67 (B)	1.2.1.67 (B)	
1467	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp053353.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.1.67 (B)	1.2.1.67 (B)	

6.2.22 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1468	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)	
1469	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)	
1470	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)	
1471	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)	
1472	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)	
1473	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)	
1474	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)	
1475	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)	
1476	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)	
1477	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)	
1478	HPE Emulex Fibre Channel	cp054533.exe	HPE SN1610E	1.0.0.1 (f)	1.0.0.1 (f)	

	Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)		32Gb 1-port Fibre Channel Host Bus Adapter			
1479	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)	
1480	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1481	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1482	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1483	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1484	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1485	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp055603.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	5.3.81.2-10EM.703.0.0.18644231	更新
1486	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1487	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1488	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1489	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1490	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1491	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp055604.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2023.09.01	5.4.81.2-10EM.800.1.0.20613240	更新
1492	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)	
1493	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server	cp054435.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1 (n)	

	2016/2019 (x86_64)					
1494	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)	
1495	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)	
1496	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)	
1497	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)	
1498	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1 (e)	
1499	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)	
1500	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)	
1501	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)	
1502	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)	
1503	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)	
1504	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	更新
1505	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	更新
1506	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	更新
1507	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp055597.zip	HPE SN1600E 32Gb Single Port Fibre Channel	2023.09.01	14.2.567.0-10EM.700.1.0.15843807	更新

			Host Bus Adapter			
1508	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	更新
1509	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	更新

6.2.23 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1510	Agentless Management Service for Microsoft Windows x64	cp057801.exe	-	2.51.4.1	2.51.4.1	更新
1511	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	-	8.4.16.0 (B)	8.4.16.0 (B)	更新
1512	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	8.4.16.0 (B)	8.4.16.0 (B)	更新
1513	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	8.4.16.0 (B)	8.4.16.0 (B)	更新
1514	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	8.4.16.0 (B)	8.4.16.0 (B)	更新
1515	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp057857.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	8.4.16.0 (B)	8.4.16.0 (B)	更新
1516	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	-	7.2417.0.0	7.2417.0.0	更新
1517	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.2417.0.0	7.2417.0.0	更新
1518	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.2417.0.0	7.2417.0.0	更新
1519	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.2417.0.0	7.2417.0.0	更新
1520	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10 Plus and Gen11 Controllers)	cp057856.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.2417.0.0	7.2417.0.0	更新
1521	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp053103.exe	-	1.1.0.0 (E)	1.1.0.0 (E)	
1522	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新

1523	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1524	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1525	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	-	6.25.9.0	6.25.9.0	更新
1526	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1527	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1528	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1529	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.25.9.0	6.25.9.0	更新
1530	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus Controllers	cp055677.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.25.9.0	6.25.9.0	更新
1531	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1532	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1533	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1534	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	-	6.25.9.0	6.25.9.0	更新
1535	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1536	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1537	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1538	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055676.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.25.9.0	6.25.9.0	更新
1539	Smart Storage Administrator (SSA) for Windows 64-bit for	cp055676.exe	Microchip SR416i-a Cntrl for HPE	6.25.9.0	6.25.9.0	更新

	Gen10/Gen10 Plus/Gen11 Controllers		Gen10+			
1540	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1541	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1542	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1543	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	-	6.25.9.0	6.25.9.0	更新
1544	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1545	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1546	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.25.9.0	6.25.9.0	更新
1547	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	Microchip SR416i- a Cntrl for HPE Gen10+	6.25.9.0	6.25.9.0	更新
1548	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp055678.exe	Microchip SR932i- p Cntrl for HPE Gen10+	6.25.9.0	6.25.9.0	更新

6.3 パッケージの変更内容

Online ROM Flash Component for Linux - System ROM U34

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.

Online ROM Flash Component for Linux - System ROM U30

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.

- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Linux - System ROM U32

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Linux - System ROM U41

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Linux - System ROM U43

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.

Online ROM Flash Component for Linux - System ROM U44

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.
-

Online ROM Flash Component for Linux - System ROM U46

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982, CVE-2023-23908 and CVE-2022-41804. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address the issue where the TPM status displayed in RBSU and iLO web page was not in sync.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the system would hang after uploading the Samsung 1733/1735 U.3 NVMe

Drive firmware through FMP.

- Addressed an issue where PMEM NUMA nodes were not continuous (3, 5) under 8 8 isolated NUMA nodes configuration.
- Addressed an issue where a drive could not be unmounted when hot_plug interrupt was generated during the DPC recovery process, with the event going over the DPC threshold.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.

Enhancements

- Disabled "Total Memory Encryption Multi-Tenant" option in RBSU if "Processor Physical Addressing" option was set to "Limited". This is for consistency with Intel's reference code behavior. The path to the option: Memory Options > Memory Encryption Options > Total Memory Encryption Multi-Tenant (TME-MT).
- Added new System Configuration (RBSU) configuration options that allow user input frequency scaling of the processor's internal busses. In System Configuration (RBSU), the options is located under "Uncore Frequency Scaling" option in "Power and Performance Options". This setting has the following Redfish properties.
 - /redfish/v1/systems/1/bios/settings/UncoreFrequencyMax
 - /redfish/v1/systems/1/bios/settings/UncoreFrequencyMin
- Added new System Configuration (RBSU) configuration options that allow disabling Dynamic Loadline switches between EPB modes depending on the P_state behavior. Enable or disable the switch could affect the power and performance by condition. In System Configuration (RBSU), the options is located under "Power and Performance Options". This setting has the following Redfish properties.
 - /redfish/v1/systems/1/bios/settings/DynamicLoadlineSwitch

Online ROM Flash Component for Linux - System ROM U60

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.

- Addressed an issue where the field “DIMM Map_Out Reason” of OEM SMBIOS type 232 would update incorrectly per DIMM status.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.

Online ROM Flash Component for Linux - System ROM U61

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the field “DIMM Map_Out Reason” of OEM SMBIOS type 232 would update incorrectly per DIMM status.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
-

Online ROM Flash Component for Windows x64 - System ROM U34

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.

- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Windows x64 - System ROM U30

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Windows x64 - System ROM U32

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Windows x64 - System ROM U41

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.

- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

Online ROM Flash Component for Windows x64 - System ROM U43

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.
-

Online ROM Flash Component for Windows x64 - System ROM U44

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in

some cases.

- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.
-

Online ROM Flash Component for Windows x64 - System ROM U46

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982, CVE-2023-23908 and CVE-2022-41804. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address the issue where the TPM status displayed in RBSU and iLO web page was not in sync.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the system would hang after uploading the Samsung 1733/1735 U.3 NVMe Drive firmware through FMP.
- Addressed an issue where PMEM NUMA nodes were not continuous (3, 5) under 8 8 isolated NUMA nodes configuration.
- Addressed an issue where a drive could not be unmounted when hot_plug interrupt was generated during the DPC recovery process, with the event going over the DPC threshold.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.

Enhancements

- Disabled "Total Memory Encryption Multi-Tenant" option in RBSU if "Processor Physical Addressing" option was set to "Limited". This is for consistency with Intel's reference code behavior. The path to the option: Memory Options > Memory Encryption Options > Total Memory Encryption Multi-Tenant (TME-MT).
- Added new System Configuration (RBSU) configuration options that allow user input frequency scaling of the processor's internal busses. In System Configuration (RBSU), the options is located under "Uncore Frequency Scaling" option in "Power and Performance Options". This setting has the following Redfish properties.

- /redfish/v1/systems/1/bios/settings/UncoreFrequencyMax
- /redfish/v1/systems/1/bios/settings/UncoreFrequencyMin
- Added new System Configuration (RBSU) configuration options that allow disabling Dynamic Loadline switches between EPB modes depending on the P_state behavior. Enable or disable the switch could affect the power and performance by condition. In System Configuration (RBSU), the options is located under “Power and Performance Options”. This setting has the following Redfish properties.
 - /redfish/v1/systems/1/bios/settings/DynamicLoadlineSwitch
 -

Online ROM Flash Component for Windows x64 - System ROM U60

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the field “DIMM Map_Out Reason” of OEM SMBIOS type 232 would update incorrectly per DIMM status.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
-

Online ROM Flash Component for Windows x64 - System ROM U61

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the field “DIMM Map_Out Reason” of OEM SMBIOS type 232 would update incorrectly per DIMM status.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
-

ROM Flash Firmware Package - System ROM U34

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is enabled.
- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

ROM Flash Firmware Package - System ROM U30

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
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- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

ROM Flash Firmware Package - System ROM U32

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. 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 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed the issue where the system might hang due to invalid memory free and usage when TPM is

enabled.

- Addressed the issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed the issue where the power_on_password dialog popped up even though user did not set the password.
- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

ROM Flash Firmware Package - System ROM U41

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
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- Addressed the issue where the TPM status between RBSU and iLO web pages was not synchronized.
- Addressed an issue where servers may stop responding during boot when the Intel TXT function is enabled.
-

ROM Flash Firmware Package - System ROM U43

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.
-

ROM Flash Firmware Package - System ROM U44

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611, CVE-2022-40982, CVE_2022_33894 and CVE_2022_38087. This security vulnerability is documented in the CVE report site. This issue is not unique to HPE servers.
- This revision of the System ROM includes the revision of the OpenSSL library 1.0.2zh update which provides mitigation for security vulnerabilities documented as CVE-2023-2650.
- Addressed an issue where iLO embedded device health info would display blank content under RBSU when the Language was set to Japanese or Chinese.
- Addressed an issue where the PCIe device serial number in OEM SMBIOS type 203 does not populate in some cases.
- Addressed an issue where the power_on_password dialog popped up even though user did not set a password.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.
-

ROM Flash Firmware Package - System ROM U46

Important Note!

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

IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-43505, CVE-2022-40982, CVE-2023-23908 and CVE-2022-41804. This security vulnerability is documented in the CVE report site. This issue is not unique to Hitachi servers.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- This revision of the System ROM includes the revision of the OpenSSL library 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address the issue where the TPM status displayed in RBSU and iLO web page was not in sync.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the system would hang after uploading the Samsung 1733/1735 U.3 NVMe Drive firmware through FMP.
- Addressed an issue where PMEM NUMA nodes were not continuous (3, 5) under 8 8 isolated NUMA nodes configuration.
- Addressed an issue where a drive could not be unmounted when hot_plug interrupt was generated during the DPC recovery process, with the event going over the DPC threshold.
- Addressed an issue where the TPM status between RBSU and iLO web pages was not synchronized.

Enhancements

- Disabled "Total Memory Encryption Multi-Tenant" option in RBSU if "Processor Physical Addressing" option was set to "Limited". This is for consistency with Intel's reference code behavior. The path to the option: Memory Options > Memory Encryption Options > Total Memory Encryption Multi-Tenant (TME-MT).
- Added new System Configuration (RBSU) configuration options that allow user input frequency scaling of the processor's internal busses. In System Configuration (RBSU), the options is located under "Uncore Frequency Scaling" option in "Power and Performance Options". This setting has the following Redfish properties.
 - /redfish/v1/systems/1/bios/settings/UncoreFrequencyMax
 - /redfish/v1/systems/1/bios/settings/UncoreFrequencyMin
- Added new System Configuration (RBSU) configuration options that allow disabling Dynamic Loadline switches between EPB modes depending on the P_state behavior. Enable or disable the switch could affect the power and performance by condition. In System Configuration (RBSU), the options is located under "Power and Performance Options". This setting has the following Redfish properties.
 - /redfish/v1/systems/1/bios/settings/DynamicLoadlineSwitch
 -

ROM Flash Firmware Package - System ROM U60

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the field "DIMM Map_Out Reason" of OEM SMBIOS type 232 would update incorrectly per DIMM status.
- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.
-

ROM Flash Firmware Package - System ROM U61

Important Note!

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Problems Fixed:

- This revision of the System ROM includes the latest revision of the Intel IPU 2023.3 BIOS update which provides Intel's mitigation for BIOS advisory and security vulnerabilities documented as CVE-2022-44611 and CVE-2022-40982. 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 1.1.1u update which provides mitigation for security vulnerabilities documented as CVE-2023-0286, CVE-2022-4304 and CVE-2023-2650.
- Address an issue where an abnormal power-on-password dialog would pop up even though user did not set a password.
- Address the issue where Secure Boot would not be enabled when loading manufacturing default from iLO web.
- Addressed an issue where the field "DIMM Map_Out Reason" of OEM SMBIOS type 232 would update

incorrectly per DIMM status.

- Addressed an issue where the TPM status between RBSU and iLO web pages were not synchronized.

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019

Version: 226.0.108.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 226.1.107.0 or later, for use with this driver.

Fixes

This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.

This product addressed the data retrieval for better RDMA connection.

This product addressed the disablement support of CQ overflow detection.

Enhancements

This product enhanced NDIS packet drop monitoring support for Windows Server vNext.

This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

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: 226.0.108.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 226.1.107.0 or later, for use with this driver.

Fixes

This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.

This product addressed the data retrieval for better RDMA connection.

This product addressed the disablement support of CQ overflow detection.

Enhancements

This product enhanced NDIS packet drop monitoring support for Windows Server vNext.

This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

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

HPE Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 2260108.0 (Recommended)

Important Note!

Fixes

This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.

This product addressed the data retrieval for better RDMA connection.

This product addressed the disablement support of CQ overflow detection.

Enhancements

This product enhanced NDIS packet drop monitoring support for Windows Server vNext.

This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

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: 2260108.0 (Recommended)

Important Note!

Fixes

This product addressed the code initialization in NDSPI(Network Direct Service Provider Interface) to enhance retransmit capability.

This product addressed the data retrieval for better RDMA connection.

This product addressed the disablement support of CQ overflow detection.

Enhancements

This product enhanced NDIS packet drop monitoring support for Windows Server vNext.

This product enhanced to Implement RoCE variable size WQE(Work Queue Element) support for RDMA.

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 VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 2261.107000 or later, for use with this driver.

Fixes

This product corrects an issue PSOD seen with iperf traffic, when rx-ring size less than 256 bytes.

This product corrects an issue Packet drops in ENS mode for tunnel traffic due to checksum issues.

This product corrects an issue VXLAN tunnel port configuration failure during driver reload

This product corrects an issue BF-D (Bidirectional Forwarding Detection) control failures in NSX environment.

This product corrects an issue ENS driver invokes driver APIs with spinlock, causing system crash.

This product corrects an issue No VI-AN strip issue, when VSAN configs is invoking VI-AN stripping enable followed by disable before the driver sends first time config to firmware.

Enhancements

enhances driver logging as more generic and appropriate.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 226.1.107000 or later, for use with this driver.

Fixes

This product corrects an issue PSOD seen with iperf traffic, when rx-ring size less than 256 bytes.

This product corrects an issue Packet drops in ENS mode for tunnel traffic due to checksum issues.

This product corrects an issue VXLAN tunnel port configuration failure during driver reload

This product corrects an issue BFD (Bidirectional Forwarding Detection) control failures in NSX environment.

This product corrects an issue ENS driver invokes driver APIs with spinlock, causing system crash.

This product corrects an issue No VI-AN strip issue, when VSAN configs is invoking VI-AN stripping enable followed by disable before the driver sends first time config to firmware.

Enhancements

This product enhances driver logging as more generic and appropriate.

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 Intel i40ea Driver for Windows Server 2019

Version: 1.16.202.10 (Recommended)

Important Note!

HPE recommends the firmware provided in HIDE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

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: 1.16.208.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

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: 1.16.202.10 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

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: 1.16.208.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.21.0 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

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

HPE Intel i40en Driver for VMware vSphere 8.0

Version: 2023.09.00 (Recommended)

Important Note!

This product contains driver version 2.4.2.0. This product is carrying 7.0u3 driver forward to 8.0. For VMWare OS team usage only. Will not be published.

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 3.21.0 or later, for use with this driver.

Enhancements

This product is carrying 7.0u3 driver forward to 8.0.

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 igbn Driver for VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.21.0 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 HPE Ethernet 1Gb 4-port BASE-T for HPE
- Intel I350-T4 HPE Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE
- Intel(R) I350 Gigabit Network Connection

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.21.0 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Supported Devices and Features

These drivers support the following network adapters:

- 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 Ethernet 1Gb 4-port Gigabit Network Connection Adapter

HPE Intel ixgben Driver for VMware vSphere 8.0

Version: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.21.0 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Enhancements

This product updated the copyright information and compatibility with firmware

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

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: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

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

Version: 8.72.0.0 (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 5.3.5.0 or later.

Fixes

This product correct an issue which fixes an issue that Microsoft Windows Server 2019 server hits BSOD
This product correct an issue which fixes an issue that CNA (converged network adapters) stops sending LLDP (DCBX) updates then causing link loss.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided as below for use with these drivers, HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.180 or later.

Fixes

This product correct an issue which fixes CNA stops sending LLDP (DCBX) updates in ESXi then causing link loss.

This product correct an issue which fixes multiple servers PSOD during change external switch.

Enhancements

Remove unnecessary psod_on_error check from queue free flow and enhance debug messages.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific 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 4.180 or later.

Fixes

This product correct an issue which fixes CNA stops sending LLDP (DCBX) updates in ESXi then causing link loss.

This product correct an issue which fixes multiple servers PSOD during change external switch.

Enhancements

Remove unnecessary psod_on_error check from queue free flow and enhance debug messages

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 Driver for VMware vSphere 7.0

Version: 2023.09.00 (Recommended)

Important Note!

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

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.33.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with Firmware

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

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

Version: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.33.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with Firmware

Supported Devices and Features

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

Intel i40ea Driver for Windows Server 2019

Version: 1.16.202.10 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

Supported Devices and Features

This driver supports the following HPE Intel 140EA 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: 1.16.208.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.5.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of FVL9.2.

Supported Devices and Features

This driver supports the following HPE Intel 140EA 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 icea Driver for Microsoft Windows Server 2022

Version: 1.12.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.20 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of CVL4.2.

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: 1.12.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.20 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of CVL4.2.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.20 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Enhancements

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

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: 2023.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.

HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.20 or later, for use with this driver.

Fixes

This product fix an issue that TCP traffic on VMS might be interrupted if PF undergoes a reset.

Enhancements

This product enhanced the compatibility with firmware of CVL4.2.

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

Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 "nmlx5_en" Driver Component for VMware ESXi 7.0

Update 3

Version: 2022.11.09 (A) (Recommended)

Important Note!

Important: Version 4.22.73.1004 supports VMware ESXi 7.0 Update 3 only.

Known Issues with driver version 4.22.73.1004:

A mismatch between the uplink and the VF M TU values may result in CQE with error. Workaround:: Align the uplink and the VF MT U values.

Enabling sriov_mc_isolation module parameter may result in vmknix and emulated NICs multicast and IPv6 traffic loss.

Workaround: Unset or set the module parameter to 0.

RDMA is not supported in the Hypervisor with ENS (Enhanced Network Stack) model 2.

Setting the "Allow Guest M TU Change" option in vSphere Client is currently not functional. Although guest M TIJ changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's M TU remains the same as the PF MTU.

ECN (Explicit congestion notification) statistic counters accumulatorsPeriod and ecnMarkedRocePackets display wrong values and cannot be cleared.

ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.

Card's speed remains zero after port goes down and reboot is performed.

RoCE traffic may fail after vMotion when using namespace.

Legacy SR-IOV is not supported with Model 1.

When in ENS mode, changing the scheduler to HCLK, may cause traffic loss.

The `l esxcli mellanox uplink link info -u <vmnic_name> l` command reports the 'Auto negotiation' capability always as 'true'.

SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.

Although the max_vfs module parameter range is "0-128 11, due to firmware limitations, the following are the supported VFs per single port devices:

ConnectX-4 / ConnectX-5: up to 127

Fixes

Fixes included in driver version 4.22.73.1004:

Fixed an issue that caused a ParaVirtual VM to lose traffic after resuming from the suspend mode when SRIOV was enabled in the system.

Cleaned steering rule from FDB when VF is being quiesced.

Fixed an issue that caused the driver to configure the incorrect SL value for RoCE with RDMACM.

Enhancements

New features and changes in driver version 4.22.73.1004:

Firmware CR dump will now be collected automatically into ZDUMP PSOD or on livedump for debuggability purposes.

Enabled the driver to read the temperature from private statistics.

To see the temperature, run: # nsxdp-cli ens uplink stats get -n vmnic1 | grep -i asicSensorTemperature

Added support for Hardware Accelerated GENEVE and VXLAN encapsulation and decapsulation for RoCE traffic.

Hardware accelerated flows can now be mirrored using the standard packet capture tools.

Added the ability to offload NSX Distributed Firewall rules by using in-hardware tracking of packet flows.

RSS support for ENS Model 1 improves performance using fewer CPU cores. This capability can be enabled using the "netq_rss_ens" module parameter.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P10112-B21	Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT 0000000241
874253021	HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter	HPE0000000014
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT 0000000437
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 MCX653106A-ECAT Adapter	HPE0000000036
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 MCX515A-CCAT Adapter	MT 0000000591

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019

Version: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

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: 23.4.26054.0 (Recommended)

Enhancements

Updated the ports' number information in the Device Manager. Now the Information Pane of Properties of NIC adapter displays information of more than 2 ports.

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 and VMware ESXi 8.0

Version: 2023.0801 (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 vibsdepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

Prerequisites

Enhancements

The following changes have been made in version 2023.08.01:

Added support to ESXi 8.0.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP 2690110034
817753021	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP 2420110034
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter	HPE0000000034
P10112-B21	Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT 0000000241

874253021	HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT Adapter	HPE000000014
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT 0000000437
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 MCX653106A-ECAT Adapter	HPE000000036
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 MCX515A-CCAT Adapter	MT 0000000591

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller (64-bit) Driver for vSphere

Version: 2023.05.01 (B) (Recommended)

Important Note!

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

Enhancements

Support HPE ML30 and DL20 Gen11 server.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller Driver for Microsoft Windows 2019 edition

Version: 7.724.2.0 (B) (Recommended)

Enhancements

Support HPE ML30 and DL20 Gen11 server.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10 Plus and Gen11 controller driver for Microsoft Windows 2022 edition

Version: 7.724.2.0 (B) (Recommended)

Enhancements

Support HPE ML30 and DL20 Gen11 server.

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

Version: 1010.74.0.1020 (Recommended)

Fixes

Fixed an issue where the random drives in the system were going offline after a hot plug and reboot.

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

Version: 14.2.537.0 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

Prerequisites

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

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

Enhancements

Updated to driver version 14.2.537.0

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

```
elxdrv-fc-version.exe /q2 extract=2
```

The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version

Each kit folder has subsequent architecture folders with subsequent OS folders. For example,

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

Supported Devices and Features

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

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

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

Version: 14.2.537.0 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

Prerequisites

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

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

Enhancements

Updated to driver version 14.2.537.0

The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex

installer. Use this command:

```
elxdrv-fc-version.exe /q2 extract=2
```

The extracted files are located:

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version

Each kit folder has subsequent architecture folders with subsequent OS folders. For example,

C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019

Supported Devices and Features

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

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

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

Version: 9.4.8.20 (Recommended)

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 9.4.8.20

Supported Devices and Features

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

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

Broadcom Firmware Package for BCM5741x adapters

Version: 226.1.107.0 (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 226.0.108.0 or later

HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-226.0.139.0 or later

HPE Broadcom NetXtreme-E Drivers for VMware, version 2023.09.00 or later

Fixes

This product addressed device lost symptom after continuously ungraceful restart on BCM57414 OCP3 adapter.

This product addressed some RDE pattern format for some LLDP properties.

This product addressed the NC-SI passthrough with BMC when device is under idle mode.

This product addressed new mechanism for loading factory default.

Enhancements

This product enhanced the device self-diagnostic matrix and MAC verification.

This product enhanced the link-speed calculation for internal variable.

Supported Devices and Features

This product supports the following network adapters:

- BCM 57412 10GbE 2p SFP+ Adptr
- BCM 57412 10GbE 2p SFP+ OCP3 Adptr
- BCM 57414 10/25GbE 2p SFP28 Adptr
- BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr
- BCM 57416 10GbE 2p BASE-T Adptr
- BCM 57416 10GbE 2p BASE-T OCP3 Adptr

Broadcom Firmware Package for BCM5750x adapters

Version: 226.1.107.0 (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 226.0.108.0 or later

HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-226.0.139.0 or later

HPE Broadcom NetXtreme-E Drivers for VMware, version 2023.09.00 or later

Fixes

This product addressed some RDE pattern format for some LLDP properties.

This product addressed the NC-SI passthrough with BMC when device is under idle mode.

This product addressed new mechanism for loading factory default.

Enhancements

This product enhanced the device self-diagnostic matrix and MAC verification.

This product enhanced the link-speed calculation for internal variable.

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

HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters

Version: 2261.107000 (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 Broadcom NetXtreme-E Drivers for Windows Server , version 226.0.108.0 or later

HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.2-226.0.139.0 or later

HPE Broadcom NetXtreme-E Drivers for VMware, version 2023.09.00 or later

Fixes

This product addressed the NC-SI passthrough algorithm for some FRU-reading commands from platform side.

This product addressed the packet forwarding rule while receiving packet which is bigger than 9600 jumbo size.

This product addressed the link failure under FreeBSD OS after changing link speed.

This product addressed the failure of bringing up VFs of SRIOV when doing on and off switch.

This product addressed adapter not responsive when work under heavy loading with 128 VMS.

The product addressed status reporting of PI-DM sensor monitoring with BMC.

This product addressed the link-flap after link down or warm boot.

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 VMware for HPE ProLiant Gen10 server series Only.

Version: 1.35.1 (Recommended)

Important Note!

This component ONLY support HPE ProLiant Gen10 server series.

This software package contains combo image v20.26.42 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 2-port 332i Adapter (22E8)

For previous firmware versions prior to ¥/20.19.51, 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.

Fixes

This product addressed the disconnection with iLO after switching to Shared Network mode.
This product addressed the compatibility of shared memory communication on adapter.

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 2-port 332i Adapter (22E8)

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

Version: 5.3.5.0 (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 (B) or later, for use with this firmware.

This software package contains combo image v20.26.42 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 2-port 330i Adapter (22BD)	2.10	21.6.2	1.5.49	21.6.58
HPE Ethernet 1Gb 4-port 331i Adapter (22BE)				
HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331 T Adapter		21.6.2	1.5.49	21.6.58

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.

Fixes

This product addressed the disconnection with iLO after switching to Shared Network mode.

This product addressed the compatibility of shared memory communication on adapter.

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 2-port 332i Adapter (22E8)

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

Version: 3.21.0 (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 361 T Adapter	80001147	1.3380.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3380.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	80001146	1.3380.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3380.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC5	1.3380.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3380.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3380.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC5	1.3380.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC5	1.3380.0	N/A
HPE Ethernet 10Gb 2-port 563 Adapter	8000350	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000DE20	1.3380.0	11.1.4
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3380.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000DEIF	1.3380.0	11.1.4
HPE Ethernet 10Gb 2-port 562 T Adapter	800016EF	1.3380.0	10.55.3

The combo image ¥/1.3380.0 includes: Boot Agent: 1GbE - v1.5.89, 10GbE - v2.4.45, 40GbE - v1.1.42 & UEFI Drivers: 1GbE - v9.8.24, 10GbE - v8.2.06, 40GbE - v4.9.49

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

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_4e84

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 the firmware installation exceeds the expected time by using Oneview to update Firmware with 568FLR-MMSFP+.

Enhancements

This product now supports VMware vSphere 8.0.

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 QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.08 (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 8.72.4.1 or later

HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.0.0 or later

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2023.09.00 or later

This software package contains combo image v8.65.08. This combo image includes: Boot Code (MFW): 8.65.3.0, PXE:2.0.19, and UEFI: 4.1.13.1.

Enhancements

This product enhanced the compatibility with drivers

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 VMware

Version: 1.33.1 (Recommended)

Important Note!

HPE recommends HPE QLogic 10/20GbE Multifunction Drivers for VMware, versions 2023.09.00 or later, for use with this firmware.

This software package contains combo image v7.19.14 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter	7.16.13	7.14.13	89.3	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.

Enhancements

This product enhanced the compatibility with drivers

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 OCP3 Adapter

Version: 4.20 (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 1.12.164.0 or later

Intel ice Drivers for Linux, version 1.11.14-1 or later

Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

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: 4.20 (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 1.12.164.0 or later

Intel ice Drivers for Linux, version 1.11.14-1 or later

Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

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: 4.20 (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 1.12.164.0 or later

Intel ice Drivers for Linux, version 1.11.14-1 or later

Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

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: 4.20 (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 1.12.164.0 or later

Intel ice Drivers for Linux, version 1.11.14-1 or later

Intel icen Driver for VMware, version 2023.09.00 or later

This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

This product addresses an issue where InterfaceEnabled property is read only and it can't patch this property

Enhancements

This product now supports ResetToDefault property(RDE Port Schema).

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 Windows Server x64 Editions

Version: 5.3.5.0 (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
Intel I350-T4 Ethernet 1Gb 4-port BASET Adapter	80001099	1.3353.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001199	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000119C	1.3353.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000119D	1.3353.0	N/A

The combo image v1.3353.0 includes: Boot Agent: 1GbE - v1.5.89, 10GbE - v2.4.45, 40GbE - v1.1.42 & UEFI Drivers: 1GbE - v9.8.24, 10GbE - v8.2.06, 40GbE - v4.9.49

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 new 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: 2637.1700 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

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

<https://docs.nvidia.com/networking/display/ConnectX6LxFirmwarev26371014/Known+Issues>

Note: The firmware version is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version however the list of Known issues' remain the same between the versions and

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 26.37.1700:

An issue that prevented the adapter card from handling WOL packets when the host powered up directly into the standby mode.

CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 26.37.1700:

Modified the RDE behavior to return an error if the chassis ID subtype is AgentId, or Port ID subtype is ChassisComp.

Enabled VF LAG hash mode. The LAG_RESOURCE_ALLOCATION mlxconfig field is now modifiable.

A new capability enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportls from PF GVMI.

Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.

Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.

Added support for 32 actions in the header modify pattern using bulk allocation.

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: 2637.1700 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <http://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <http://www.nvidia.com/> to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use

of any software or documents that you download from <http://www.nvidia.com/>, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution.

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

<https://docs.nvidia.com/networking/display/ConnectX6LxFirmwarev26371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014 however the list of Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

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 26.37.1700:

An issue that prevented the adapter card from handling WOL packets when the host powered up directly into the standby mode.

CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 26.37.1700:

Modified the RDE behavior to return an error if the chassis ID subtype is AgentId, or Port ID subtype is ChassisComp.

Enabled VF LAG hash mode. The LAG_RESOURCE_ALLOCATION mlxconfig field is now modifiable.

A new capability enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportl s from PF GVMl.

Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.

Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.

Added support for 32 actions in the header modify pattern using bulk allocation.

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: 20.37.1700 (Recommended)

Important Note!

For PI-DM 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:
HPE signed PI-DM Firmware Package (.FWPKG filename extension) updatable via iLO.
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
200GbE/50GbE	supported	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	supported	not supported	supported

Port #2 - Ethernet				
Port #1- InfiniBand	200GbE/50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

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

<https://docs.nvidia.com/networking/display/ConnectX6Firmwarev20371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014 however the list of Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5

firmware version must be 2.30 or higher.

Fixes

No fixes in this version.

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 20.37.1700:

A new capability enables the VM to track and limit its Vport's activity. This is done using the new q_counters counter which enables aggregation of other Vport's from PF GVMI.

Updated the link maintenance flow to avoid high uncorrectable error rate.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.37.1700	MT 0000000453

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

Version: 22.37.1700 (Recommended)

Important Note!

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

<https://docs.nvidia.com/networking/display/ConnectX6DxFirmwarev22371014/Known+Issues>

Note: The firmware version xx.37.1014 is generic firmware distributed by NVIDIA and is not published by HPE. HPE does not recommend customers to use the version xx.37.1014 however the list of Known issues' remain the same between the versions xx.37.1700 and xx.37.1014.

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iL05 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 22.37.1700:

No ping in NODNIC VF when VI-AN stripping was enabled.

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vDPA application initialization failed due to virtual queue creation failure. The failure came with the "0x8f7a: ring address translate failed" assert which indicates incorrect permission supplied by QEMU for virtual ring memory.

CNP received, handled, and ignored counters in the hardware counters could not work after moving to Programmable Congestion Control mode.

Enhancements

New features and changes included in version 22.37.1700:

Added a safety mechanism to prevent the link from getting stuck when receiving bad tuning results. In this case, the linkup flow is restarted and the mechanism retries to raise the link.

Improved rate limit token re-distribution algorithm.

Improved non-consumed bandwidth re-distribution.

Added mergeable buffer support (VIRTIO_NET_F_MRG_RXBUF in virtio spec) for VDPA kernel mode to improve performance in case of large MTU such as 9K. The feature is disabled by default and must be manually enabled while creating or modifying the virtio device.

Note: For best performance, it is NOT recommended to enable the feature if the VDPA M TIJ is set to the default value (1500).

A new capability that enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportl s from PF GVMI.

Added a flow rule that enables offloading of multicast traffic by broadcasting it to multi-Flow-Table in FDB.

Enables a smooth and statically switch between PCC algorithms. In addition, the user can now switch between PCC algorithms while running traffic.

Added support for running PCC firmware trace without saving and sending the DB strings to the tool with the following changes:

Added new string section to the user PCC image creation tool

Added the new PCC DB strings to MT RC access registers output

On the tool's part: added support to reading the string.db using the MTRC access registers

Added support for 32 actions in the header modify pattern using bulk allocation.

The software can explicitly set the SL of an RTT response packet, instead of it being taken from the RTT request packet's SL. The RTT response packet SL may be set/queried via the CONGESTION CONTROL HCA NP PARAMETER MAD.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT 0000000437

Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter

Version: 16.35.3006 (Recommended)

Important Note!

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

<https://docs.nvidia.com/networking/display/ConnectX5Firmwarev16353006LTS/Known+Issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iL05 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Important : Security Hardening Enhancements

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs

participating in the LAG.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.7 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iL05 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iL05 firmware.

Fixes

The following issues have been fixed in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.32.1010:

Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.

The system could not create more than 128K QPs.

On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.

Packet Pacing rate was used if asymmetric VFs was enabled.

Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.

Issue with RSS on IPsec flows in ConnectX-4 1-X led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to 14_type in ConnectX-4 1-X adapter cards.

The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 2.42.5044 :

779799021 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter)

779793021 (HPE Ethernet 10G 2-port 546SFP+ Adapter)

Firmware for the following devices has been updated to 14.32.1010:

817749021 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

817753021 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device has been updated to 16.35.3006:

874253021 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes included in version 14.32.1010:

Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.

Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.

Added support for asymmetrical VFs per PE To enable it:PF_NUM_OF_VF_VALID must be true, and PF NUM OF VF to a non-zero value.

Limited the external loopback speed to the used module's capabilities.

Improved linkup time when using the fast linkup capability.

Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
779793021	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	HP 1200111023
779799021	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	HP_2240110004
817749021	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753021	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP 2420110034
874253021	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0

Version: 1.0.6 (Recommended)

Fixes

The following issues have been fixed in version 12.28.2006:

Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR I time-to-live was increased, and the maximum retry timeout was decreased.

Increased PHY power consumption limit to 1.5w.

Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 12.28.2006:

825110021 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

Firmware for the following devices has been updated to 16.35.3006:

879482021 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important : Security Hardening Enhancements

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New Features and changes included in version 12.28.2006:

Increased the maximum XRQ number to 512.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110021	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP 2180110032
825111021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP 2190110032

872726021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
879482021	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022

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

Version: 1.0.6 (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	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	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 iL05 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 iL05 firmware.

Fixes

No new fixes have been included in version 20.37.1700

Enhancements

Firmware for the following devices has been updated to 20.37.1700:

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.37.1700:

A new capability enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportl s from PF GVMl.

Updated the link maintenance flow to avoid high uncorrectable error rate.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe3 MCX653105A-HDAT Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe3 x16 MCX653105A-ECAT Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 MCX653106A-ECAT Adapter	HPE0000000036

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

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.3 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iL05 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iL05 firmware.

Fixes

The following issues have been fixed in version 14.32.1010:

Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.

The system could not create more than 128K QPs.

On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.

Packet Pacing rate was used if asymmetric VFs was enabled.

Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.

Issue with RSS on IPsec flows in ConnectX-4 1-X led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to 14_type in ConnectX-4 1-X adapter cards.

The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 14.32.1010:

817749021 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

817753021 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device has been updated to 16.35.3006:

874253021 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes included in version 14.32.1010:

Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.

Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.

Added support for asymmetrical VFs per PE To enable it:PF_NUM_OF_VF_VALID must be true, and PF NUM OF VF to a non-zero value.

Limited the external loopback speed to the used module's capabilities.

Improved linkup time when using the fast linkup capability.

Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749021	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753021	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP 2420110034
874253021	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0

Version: 1.0.2 (Recommended)

Fixes

The following issues have been fixed in version 12.28.2006:

Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR I time-to-live was increased, and the maximum retry timeout was decreased.

Increased PHY power consumption limit to 1.5w.

Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 12.28.2006:

825110021 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

Firmware for the following devices has been updated to 16.35.3006:

879482021 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)

872726021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important : Security Hardening Enhancements

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New Features and changes included in version 12.28.2006:

Increased the maximum XRQ number to 512.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110021	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP 2180110032
825111021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP 2190110032
872726021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

879482021	HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter	HPE0000000022
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Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0

Version: 1.0.2 (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	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	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 iL05 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 iL05 firmware.

Fixes

No new fixes have been included in version 20.37.1700

Enhancements

Firmware for the following devices has been updated to 20.37.1700:

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.37.1700:

A new capability enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportl s from PF GVMI.

Updated the link maintenance flow to avoid high uncorrectable error rate.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe3 MCX653105A-HDAT Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe3 x16 MCX653105A-ECAT Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters

Version: 1.0.0.20 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

Prerequisites

Use iL05 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iL05 firmware.

Fixes

The following issues have been fixed in version 2.42.5044 :

An issue that prevented the firmware from detecting a link_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.32.1010:

Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.

The system could not create more than 128K QPs.

On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.

Packet Pacing rate was used if asymmetric VFs was enabled.

Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.

Issue with RSS on IPSec flows in ConnectX-4 1-X led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to 14_type in ConnectX-4 1-X adapter cards.

The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented ROCE malformed packets (UDP packet with dest_port equal to ROCE well known udp_dport 0<4791)) from being counted on the vport_counter when the function disables ROCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 14.32.1010:

- 817749021 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753021 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device has been updated to 16.35.3006:

- 874253021 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes included in version 14.32.1010:

Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.

Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.

Added support for asymmetrical VFs per PE To enable it:PF_NUM_OF_VF_VALID must be true, and PF NUM OF VF to a non-zero value.

Limited the external loopback speed to the used module's capabilities.

Improved linkup time when using the fast linkup capability.

Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749021	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753021	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP 2420110034
874253021	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform

Version: 1.0.0.14 (Recommended)

Fixes

The following issues have been fixed in version 12.28.2006:

Fixes an issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR I time-to-live was increased, and the maximum retry timeout was decreased.

Increased PHY power consumption limit to 1.5w.

Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.

The following issues have been fixed in version 16.35.3006:

Packet loss that occurred when restarting the transmit.

An issue that prevented RoCE malformed packets (UDP packet with dest_port equal to RoCE well known udp_dport from being counted on the vport_counter when the function disables RoCE (through command).

A memory leakage that occurred when closing connected QPs (Type RC/UC/XRC/DC).

Added a missing VI-AN strip.

Enhancements

Firmware for the following devices has been updated to 12.28.2006:

825110021 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)

825111021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

Firmware for the following devices has been updated to 16.35.3006:

872726021 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important : Security Hardening Enhancements

- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

New Features and changes included in version 12.28.2006:

Increased the maximum XRQ number to 512.

New features and changes included in version 16.35.3006:

Enabled ACS for single port cards.

Added vPort counters after creating the LAG demux table to count kernel packets reaching all the PFs participating in the LAG.

Supported Devices and Features

HPE Part Number	Device Name	PSID
825110021	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	HP 2180110032
825111021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	HP 2190110032
872726021	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28	HPE000000009

	Adapter	
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**Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode)
ConnectX6 devices on Windows x86_64 platform**

Version: 1.008 (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	supported	not supported	supported
100GbE/25GbE	supported	supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	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 iL05 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 iL05 firmware.

Fixes

No new fixes have been included in version 20.37.1700

Enhancements

Firmware for the following devices has been updated to 20.37.1700:

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

New features and changes included in version 20.37.1700:

A new capability enables the VM to track and limit its Vportl s activity. This is done using the new q_counters counter which enables aggregation of other Vportl s from PF GVMI.

Updated the link maintenance flow to avoid high uncorrectable error rate.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06154-B21	HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe3 MCX653105A-HDAT Adapter	HPE0000000034
P06250-B21	HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe3 MCX653105A-ECAT Adapter	HPE0000000035
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

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

Version: HPK4 (Recommended)

Fixes

Fix bugs found in the previous version and improve on TTR (Time To Ready) requirement to fix device temporarily not found issue after hot-plug.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (Recommended)

Fixes

Maintenance release with fix for LED off during idle

Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (Recommended)

Fixes

Reverted OCP spec features to maintain compliance to OCP spec commands over NVMe-MI
Implemented real Active Measured Latency by adding OCP 2.0 C3 Log page

Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00126514en_us

Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (B) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed an incompatibility issue in MC TP over PCIe VDM function

Updated WC TEMP value for thermal throttling threshold

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00130699en us>

Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives

Version: 41CDHPK1 (E) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00126514en us>

Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives

Version: 41CRHPK3 (E) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00126514en us>

Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (Recommended)

Fixes

Reverted OCP spec features to maintain compliance to OCP spec commands over NVMe-MI

Implemented real Active Measured Latency by adding OCP 2.0 C3 Log page

Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 41CSHPK4 (E) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00126514en us>

Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

"Version: HPK5 (Recommended)"

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed an incompatibility issue in MC TP over PCIe VDM function

Updated WC TEMP value for thermal throttling threshold

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00130699en us>

Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives

Version: 41CDHPK1 (D) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA <https://support.hpe.com/hpesc/public/docDisplay docId=emr na-a00126514en us>

Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (Recommended)

Fixes

Maintenance release with fix for LED off during idle

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

Version: HPK4 (Recommended)

Fixes

Fix bugs found in the previous version and improve on TTR (Time To Ready) requirement to fix device temporarily not found issue after hot-plug.

Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives

Version: 41CRHPK3 (E) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

Fixed CA https://support.hpe.com/hpesc/public/docDisplay docId=emr_na-a00126514en_us

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi EG000300JWFVB Drive

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU 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.

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

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (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.

Fixes

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EI-1000600JWHPH 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.

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

Provides proactive protection against contamination built up on the media and air-bearing surface of the heads by increased routine "sweeping" of the media surface.

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EI-1000600JWHPN and EH000300JWHPL 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.

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

Provides proactive protection against contamination built up on the media and air-bearing surface of the heads by increased routine "sweeping" of the media surface.

Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive

Version: HPD7 (J) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - E000400JWDKP, E000800JWDKQ, E001600JWDKR, MO00400JWDKU, MO00800JWDKV, MO01600JWDLA and MO03200JWDLB Drives

Version: HPD2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - E000400PXDBQ, E000800PXDCK, E001600PXDCH, MO00800PXDBP, MO01600PXDCC, MO03200PXDCCD, MO06400PXDCE, VO00960PXDBN, VO01920PXDBR, VO03840PXDDBT, VO07680PXDDBU and VO015300PXDDBV Drives

Version: HPD3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPGI (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

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

Version: HPGI (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE 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

Addresses a hot plug reporting concern

Increased the buffer memory size used for sequential write data to resolve performance degradation seen in a RAID60 configuration

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

Version: HPDI (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

Firmware addresses a hot plug reporting concern

Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

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

Version:HPDI (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

Adds support for a second source drive pre-amp, and improves reliability with an updated direct offline scan algorithm.

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives

Version: HPD6 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives

Version: HPDB (K) (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.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives

Version: HPD4 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRB Drives

Version: HPDA (B) (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.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD5 (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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, E0000400JWTKV, E0000800JWTKA, E0001600JWTKC Drives

Version: HPD9 (D) (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.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (C) (Recommended)

Important Note!

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive

Version: HPD6 (L) (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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive

Version: HPD8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EI-1000300JWCPK, EH000600JWCPL, EH000900JWCPN, EH000300JXLVR, EH000600JXLVT and EH000900JXLVU Drives

Version: HPD9 (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

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives
Version: HPDC (Recommended)

Fixes

Optimize sensor reporting to improve failure rate - AFR (Annual Failure Rate) metrics

Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives

Version: HPD6 (L) (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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, E01600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA 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.

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

Fixes an issue in previous version where the Inquiry model number is reported incorrectly for first few seconds after the drive is powered on

Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGU Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN 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.

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

Fixes an issue in previous version where the Inquiry model number is reported incorrectly for first few seconds after the drive is powered on

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

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

Improves data integrity

Decreases possibility of data corruption in certain error and timing conditions

Reduces the probability of hangs

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive

Version: HPDA (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

This firmware revision improves data integrity and reliability by optimizing adjacent track refresh parameters and management of emergency power loss table structure.

The risk of not upgrading to this firmware is the increased possibility of data corruption in emergency power loss events.

Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide some minor performance improvements.

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

Version: HPD2 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives

Version: HPD3 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive

Version: HPD7 (J) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JFWFU and MO003840JFWV Drives

Version: HPD5 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, MO000400JXBEU, E0000800JXBFL and E0001600JXBFN Drives

Version: HPD1 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, E00200JEFPD, E00400JEFPE and E00800JEFPF Drives

Version: HPD3 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives

Version: HPD9 (F) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives

Version: HPD4 (D)

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (Recommended)

Fixes

Fix for V6 Read disturb issue (which might have caused data integrity issue) and other issues.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (Recommended)

Fixes

Online Fix for

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

Version: HPD7 (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

Reduced the occurrence probability of PMIC busy issue by stopping PI-P capacity check to reduce i2c access to PMIC.

Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives

Version: HPD8 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives

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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive

Version: HPD5 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive

Version: HPD3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives

Version: HPD5 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU 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.

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

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive

Version: HPD4 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (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.

Fixes

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive

Version: HPD6 (J) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive

Version: HPD8 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EI-1000300JWCPK, EH000600JWCPL, EH000900JWCPN, EH000300JXLVR, EH000600JXLVT and EH000900JXLVU Drives

Version: HPD9 (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

Fixes the Power Coordination algorithm which ensures the drive will properly negotiate power with SPL-2 and newer compliant controllers.

Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives

Version: HPDC (Recommended)

Fixes

Optimize sensor reporting to improve failure rate - AFR (Annual Failure Rate) metrics

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (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

Provides proactive protection against contamination built up on the media and air-bearing surface of the heads by increased routine "sweeping" of the media surface.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (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

Provides proactive protection against contamination built up on the media and air-bearing surface of the heads by increased routine "sweeping" of the media surface.

Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives

Version: HPD6 (J) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive

Version: HPD7 (G) (Recommended) cp053020.compsig; cp053020.exe; cp053020.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, E01600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - E000400JWDKP, E0000800JWDKQ, E0001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (G) (Recommended) cp055115.compsig; cp055115.exe; cp055115.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - E000400PXDBQ, E000800PXDCK, E001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV 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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (E) (Recommended) cp055135.compsig; cp055135.exe; cp055135.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (D) (Recommended) cp052939.compsig; cp052939.exe; cp052939.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (B) (Recommended) cp055209.compsig; cp055209.exe; cp055209.md5

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

Fixes an issue in previous version where the Inquiry model number is reported incorrectly for first few seconds after the drive is powered on

Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive

Version: HPD2 (E) (Recommended) cp055148.compsig; cp055148.exe; cp055148.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (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

Fixes an issue in previous version where the Inquiry model number is reported incorrectly for first few seconds after the drive is powered on

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPGI (B) (Recommended) cp052803.compsig; cp052803.exe; cp052803.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: HPGI (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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (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

Addresses a hot plug reporting concern

Increased the buffer memory size used for sequential write data to resolve performance degradation seen in a RAID60 configuration

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

Version: HPDI (B) (Recommended) cp055212.compsig; cp055212.exe; cp055212.md5

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

Firmware addresses a hot plug reporting concern

Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive

Version: HPD3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: HPD3 (Recommended) cp056643.compsig; cp056643.exe; cp056643.md5

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

Improves data integrity

Decreases possibility of data corruption in certain error and timing conditions

Reduces the probability of hangs

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives

Version: HPD8 (C) (Recommended) cp052774.compsig; cp052774.exe; cp052774.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive

Version: HPD3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXXH Drive

Version: HPDA (Recommended) cp055195.compsig; cp055195.exe; cp055195.md5

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

This firmware revision improves data integrity and reliability by optimizing adjacent track refresh parameters and management of emergency power loss table structure.

The risk of not upgrading to this firmware is the increased possibility of data corruption in emergency power loss events.

Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide some minor performance improvements.

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

Version: HPD2 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: HPDI (Recommended) cp055622.compsig; cp055622.exe; cp055622.md5

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

Adds support for a second source drive pre-amp, and improves reliability with an updated direct offline

scan algorithm.

Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives

Version: HPD3 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (I) (Recommended) cp052952.compsig; cp052952.exe; cp052952.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives

Version: HPD6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives

Version: HPDB (I) (Recommended) cp055159.compsig; cp055159.exe; cp055159.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives

Version: HPD4 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive

Version: HPD7 (H) (Recommended) cp055166.compsig; cp055166.exe; cp055166.md5

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (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

Firmware addresses a hot plug reporting concern

Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive

Version: HPD5 (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

Firmware addresses a hot plug reporting concern

Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVIJ and MO003840JWFVW Drives

Version: HPD5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFAQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFB, E0000400JXBEU, E0000800JXBFL and E0001600JXBFN Drives

Version: HPDI (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, E00200JEFPD, E00400JEFPE and E00800JEFPF Drives

Version: HPD3 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives

Version: HPD9 (F) (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives

Version: HPD4 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (Recommended)

Fixes

Online Fix for

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTDN, VO007680JWTDN, MO000400JWTDQ, MO000800JWTDN, MO001600JWTDN, MO003200JWTDU, MO006400JWTDU, E0000400JWTDV, E0000800JWTDV and E0001600JWTDV Drives

Version: HPD9 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (Recommended)

Fixes

Fix for V6 Read disturb issue (which might have caused data integrity issue) and other issues.

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

Version: HPD7 (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

Reduced the occurrence probability of PMIC busy issue by stopping PI-P capacity check to reduce i2c access to PMIC.

Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD2 (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives

Version: HPD8 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives

Version: HPD9 (F) (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.

Enhancements

Added support for Microsoft Windows Server 2022.
Firmware - SATA Storage Disk

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

Version: HPGI (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

Adds support for a second source drive pre-amp, and improves reliability with an updated direct offline scan algorithm.

Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives

Version: HPG3 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. In AHCI configuration only offline flashing is supported. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFVK and MB002000GWFVL Drives

Version: HPG6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

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

Version: HPG5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT 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

Improvement in mixed READ/WRITE performance, which was causing a field issue at an HPE customer
- Improve random mix performance in TL=2048k and 512k

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

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

Version: HPG7 (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

Fixed an intermittent issue where the incorrect model number can be reported during spin-up

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE 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

Fix for potential hangs and timeouts, tuning fixes based on field experience and maintenance logging items

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG3 (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

Decreases possibility of data corruption in certain error and timing conditions

Reduces the probability of hangs and provide a minor performance improvement

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive

Version: HPG2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive

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

This firmware revision improves data integrity and reliability by optimizing adjacent track refresh parameters and management of emergency power loss table structure.

The risk of not upgrading to this firmware is the increased possibility of data corruption in emergency power loss events.

Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide some minor performance improvements.

Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (M) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives

Version: HPG6 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive

Version: HPG4 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives

Version: HPGB (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Enhancements

Online Added support

Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG5 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives

Version: HPG3 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (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

Improve the FW about data mismatch after SPL issued.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.

Version: HPGI (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 contains optimization to increase the time for Recovery operation and few checks for maintenance.

Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive

Version: HPG6 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive

Version: HPG9 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives

Version: HPGG (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.

Version: HPG3 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives

Version: HPGG (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives

Version: HPG5 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR,
VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives**

Version: HPG4 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA,
VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK,
MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG7 (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

Fixes a false indication of rare capacitor test failure

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK,
VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF,
MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and
MR000960GXBGK Drives**

Version: HPGI (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.

Version: HPGI (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 contains optimization to increase the time for Recovery operation and few checks for maintenance.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG4 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

drive firmware update available for Smart Array Controllers configured 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.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (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

Improve the FW about data mismatch after SPL

Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (C) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

In AHCI configuration only offline flashing is supported.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for VMware 8.0

Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives

Version: HPG3 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives

Version: HPG6 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: HPG5 (Recommended) cp052423.compsig; cp052423.exe; cp052423.md5

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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode 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

Improvement in mixed READ/WRITE performance, which was causing a field issue at an HPE customer
- Improve random mix performance in TL=2048k and 512k

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager. Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive

Version: HPGI (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations. drive firmware update available for Smart Array Controllers configured 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.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: HPG7 (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

Fixed an intermittent issue where the incorrect model number can be reported during spin-up

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive

Version: HPG3 (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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

Fix for potential hangs and timeouts, tuning fixes based on field experience and maintenance logging items

Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZVVU, MB016000GZVUV and MB018000GYCLL Drives

Version: HPG3 (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

Decreases possibility of data corruption in certain error and timing conditions

Reduces the probability of hangs and provide a minor performance improvement

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (G) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive

Version: HPG2 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive

Version: HPG4 (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.

Fixes

This firmware revision improves data integrity and reliability by optimizing adjacent track refresh parameters and management of emergency power loss table structure.

The risk of not upgrading to this firmware is the increased possibility of data corruption in emergency power loss events.

Several maintenance items are included in this firmware revision that reduce the probability of hangs and provide some minor performance improvements.

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

Version: HPGI (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

Adds support for a second source drive pre-amp, and improves reliability with an updated direct offline scan algorithm.

Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (K) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG5 (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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives

Version: HPG6 (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive

Version: HPG4 (J) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives

Version: HPGB (I) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG5 (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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives

Version: HPG3 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (F) (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (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

Improve the FW about data mismatch after SPL issued.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPGI (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 contains optimization to increase the time for Recovery operation and few checks for maintenance.

Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

Version: HPG6 (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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive

Version: HPG9 (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

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives

Version: HPGG (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives

Version: HPG3 (H) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives

Version: HPGG (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives

Version: HPG5 (F) (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG4 (F) (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.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (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

Fixes a false indication of rare capacitor test failure

Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAW, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBB, MR000480GXBGH and MR000960GXBGK Drives

Version: HPGI (E) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPGI (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 contains optimization to increase the time for Recovery operation and few checks for maintenance.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations. Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD 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

HPG4 implements a change in Background Media Scan triggering threshold based on a unique retention characteristic to help address a Predictive Failure.

For the drives reporting the predictive failure, please update to HPG4 and please power cycle the server or re-seat the drives to clear the predictive failure record after one full Media Scan (10 days). Media Scan in HPG4 will scrub error during these 10 days.

For the drives that do not report the PF, you can update to HPG4 directly without power cycle the server or drives.

For more information, refer to HPE Customer Advisory at the following URL:

https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00124896en_us

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (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

Improve the FW about data mismatch after SPL

Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (B) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive

Version: HPG3 (D) (Recommended)

Important Note!

Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Enhancements

Added support for Microsoft Windows Server 2022.

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

Version: 52.24.3-4948 (Recommended)

Important Note!

This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.

Fixes

Fix a00127934en us: HPE ProLiant Gen10 Plus Servers - Unable to Switch From I-KM to EKM With MR Controllers When Boot Time Password is Set

Fix an issue that Sanitize Block Erase on NVMe drive along with shutdown sequence may cause assertion in firmware.

Fix an issue that GET Volume query from REST client may fail when multiple Volumes are configured on the controller

Fix an issue that firmware throws error when setting WCE (Disk Write Cache) = 0 for JBOD drive.

Fix an issue that I-IDD sensor shows temperature on 14-HD Max when there is no drive installed.

Fix an issue that HLL page may hang while there is pinned cache then do drives initialization and View Server Profile.

Fix a rare issue that controller may not getting discovered when there is power loss during cache restoration from a previous power loss.

Fix an issue that controller may hang and Online Controller Reset is triggered after running "storcli /cx set debug reset all" and then ll storcli /cx get snapdump ll .

Fix an issue that enable security on logical drive may enable security on other unrelated drives which were configured as Dedicated Spare drive for other secured logical drive before.

Fix an issue that drive running sanitize overwrite may become Unconfigured Bad Unsupported after a cold boot

Fix a rare issue that firmware may hit assertion failure when a drive causes 10 issue and fails.

Fix an issue that IML 1906 may be incorrectly logged when doing config clear and reboot.

Fix an issue that NVMe drives may move to Unconfigured Bad state from Unconfigured Good during driver unload-reload.

Fix an issue that SPDM GET_MEASUREMENTS command signature verification is failing at iLO

Enhancements

DMTF PI-DM Redfish Device Enablement enhancements

Support Volume Creation and Deletion by the following Redfish requests

POST VolumeCollection

DELETE Volume

GET Volume Capabilities

Added support for the following Redfish ACTION requests:

POST Storage.ResetToDefaults

POST Volume.Initialize
POST Drive.SecureErase
Added support for Redfish PATCH requests for the following properties:
PATCH Volume.DedicatedSpareDrives
PATCH Volume.DisplayName
PATCH Volume.ReadCachePolicy
PATCH Volume.WriteCachePolicy
PATCH Drive.HotspareType
PATCH Drive.LocationIndicatorActive
PATCH Drive.WriteCacheEnabled
Support DMTF PI-DM firmware update for drive

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller with Gen10 and Gen10 Plus servers

Version: 52.24.3-4948 (Recommended)

Important Note!

This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.

Fixes

Fix a00127934en_us: HPE ProLiant GeniO Plus Servers - Unable to Switch From LKM to EKM With MR Controllers When Boot Time Password is Set

Fix an issue that Sanitize Block Erase on NVMe drive along with shutdown sequence may cause assertion in firmware.

Fix an issue that GET Volume query from REST client may fail when multiple Volumes are configured on the controller

Fix an issue that firmware throws error when setting WCE (Disk Write Cache) = 0 for JBOD drive.

Fix an issue that I-IDD sensor shows temperature on 14-HD Max when there is no drive installed.

Fix an issue that 1-111 page may hang while there is pinned cache then do drives initialization and View Server Profile.

Fix a rare issue that controller may not getting discovered when there is power loss during cache restoration from a previous power loss.

Fix an issue that controller may hang and Online Controller Reset is triggered after running "storcli /cx set debug reset all" and then "storcli /cx get snapdump ll".

Fix an issue that enable security on logical drive may enable security on other unrelated drives which were configured as Dedicated Spare drive for other secured logical drive before.

Fix an issue that drive running sanitize overwrite may become Unconfigured Bad Unsupported after a cold boot

Fix a rare issue that firmware may hit assertion failure when a drive causes 10 issue and fails.

Fix an issue that IML 1906 may be incorrectly logged when doing config clear and reboot.

Fix an issue that NVMe drives may move to Unconfigured Bad state from Unconfigured Good during driver unload-reload.

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POST Storage.ResetToDefaults

POST Volume.Initialize

POST Drive.SecureErase

Added support for Redfish PATCH requests for the following properties:

PATCH Volume.DedicatedSpareDrives

PATCH Volume.DisplayName

PATCH Volume.ReadCachePolicy

PATCH Volume.WriteCachePolicy

PATCH Drive.HotspareType

PATCH Drive.LocationIndicatorActive

PATCH Drive.WriteCacheEnabled

Support DMTF PI-DM firmware update for drive

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

Version: 52.24.3-4948 (Recommended)

Important Note!

"This firmware version to be used on HPE MR416i-a Controller."

Fixes

Fix a00127934en us: HPE ProLiant Gen10 Plus Servers - Unable to Switch From I-KM to EKM With MR Controllers When Boot Time Password is Set

Fix an issue that Sanitize Block Erase on NVMe drive along with shutdown sequence may cause assertion in firmware.

Fix an issue that GET Volume query from REST client may fail when multiple Volumes are configured on the controller

Fix an issue that firmware throws error when setting WCE (Disk Write Cache) = 0 for JBOD drive.

Fix an issue that I-IDD sensor shows temperature on 14-HD Max when there is no drive installed.

Fix an issue that HLL page may hang while there is pinned cache then do drives initialization and View Server Profile.

Fix a rare issue that controller may not getting discovered when there is power loss during cache restoration from a previous power loss.

Fix an issue that controller may hang and Online Controller Reset is triggered after running "storcli /cx set debug reset all" and then "storcli /cx get snapdump".

Fix an issue that enable security on logical drive may enable security on other unrelated drives which were

configured as Dedicated Spare drive for other secured logical drive before.

Fix an issue that drive running sanitize overwrite may become Unconfigured Bad Unsupported after a cold boot

Fix a rare issue that firmware may hit assertion failure when a drive causes 10 issue and fails.

Fix an issue that IML 1906 may be incorrectly logged when doing config clear and reboot.

Fix an issue that NVMe drives may move to Unconfigured Bad state from Unconfigured Good during driver unload-reload.

Fix an issue that SPDM GET_MEASUREMENTS command signature verification is failing at iLO

Enhancements

DMTF PI-DM Redfish Device Enablement enhancements

Support Volume Creation and Deletion by the following Redfish requests

POST VolumeCollection

DELETE Volume

GET Volume Capabilities

Added support for the following Redfish ACTION requests:

POST Storage.ResetToDefaults

POST Volume.Initialize

POST Drive.SecureErase

Added support for Redfish PATCH requests for the following properties:

PATCH Volume.DedicatedSpareDrives

PATCH Volume.DisplayName

PATCH Volume.ReadCachePolicy

PATCH Volume.WriteCachePolicy

PATCH Drive.HotspareType

PATCH Drive.LocationIndicatorActive

PATCH Drive.WriteCacheEnabled

Support DMTF PI-DM firmware update for drive

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller with Gen10 and Gen10 Plus servers

Version: 52.24.3-4948 (Recommended)

Important Note!

This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.

Fixes

Fix a00127934en us: HPE ProLiant Gen10 Plus Servers - Unable to Switch From I-KM to EKM With MR Controllers When Boot Time Password is Set

Fix an issue that Sanitize Block Erase on NVMe drive along with shutdown sequence may cause assertion in firmware.

Fix an issue that GET Volume query from REST client may fail when multiple Volumes are configured on the controller

Fix an issue that firmware throws error when setting WCE (Disk Write Cache) = 0 for JBOD drive.

Fix an issue that I-IDD sensor shows temperature on 14-HD Max when there is no drive installed.

Fix an issue that HLL page may hang while there is pinned cache then do drives initialization and View Server Profile.

Fix a rare issue that controller may not getting discovered when there is power loss during cache restoration from a previous power loss.

Fix an issue that controller may hang and Online Controller Reset is triggered after running "storcli /cx set debug reset all" and then "storcli /cx get snapdump".

Fix an issue that enable security on logical drive may enable security on other unrelated drives which were configured as Dedicated Spare drive for other secured logical drive before.

Fix an issue that drive running sanitize overwrite may become Unconfigured Bad Unsupported after a cold boot

Fix a rare issue that firmware may hit assertion failure when a drive causes 10 issue and fails.

Fix an issue that IML 1906 may be incorrectly logged when doing config clear and reboot.

Fix an issue that NVMe drives may move to Unconfigured Bad state from Unconfigured Good during driver unload-reload.

Fix an issue that SPDM GET_MEASUREMENTS command signature verification is failing at iLO

Enhancements

DMTF PI-DM Redfish Device Enablement enhancements

Support Volume Creation and Deletion by the following Redfish requests

- POST VolumeCollection
- DELETE Volume
- GET Volume Capabilities

Added support for the following Redfish ACTION requests:

- POST Storage.ResetToDefaults
- POST Volume.Initialize
- POST Drive.SecureErase

Added support for Redfish PATCH requests for the following properties:

- PATCH Volume.DedicatedSpareDrives
- PATCH Volume.DisplayName
- PATCH Volume.ReadCachePolicy
- PATCH Volume.WriteCachePolicy
- PATCH Drive.HotspareType
- PATCH Drive.LocationIndicatorActive
- PATCH Drive.WriteCacheEnabled

Support DMTF PI-DM firmware update for drive

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.23.072 (Recommended)

Fixes

Fixed issues related to spare drive functionality.

Fixed issues pertaining to Self-Encrypting Drive (SED) functionality.

Fixed an issue where rebuild was being reiterated continuously and not progressing.

Fixed controller detection issues during system boot, including rare cases that could lead to PSOD or RSOD errors.

Fixed an issue where the SR932i-p Gen11 controller was not assigned an ED.

Fixed an issue where rebuild was being reiterated continuously and not progressing.

Fixed an issue where Redfish events of battery and WriteCache do not meet requirements.

Fixed an issue where firmware incorrectly reported unrecoverable media errors.

Fixed an issue where the surface scan progress status is displayed as "In progress" even after disabling the surface scan on the controller.

Fixed an issue where rebuild was being reiterated continuously and not progressing.

Fixed an issue related to the failure of the clear controller configuration command.

Fixed an issue where an Uncorrectable error PSOD observed after power on.

Fixed an issue where the Unique ID of different SATA disks is the same in Windows.

Fixed an issue of power surge when too many SATA drives are spinning up simultaneously.

Fixed issues where logical drives were lost after a controller reset to factory defaults, especially when the 'preserve logical drive I option was enabled, and after an abrupt reboot where the controller reset to factory defaults, causing RAID loss.

Fixed migrating a SmartCache when destination controller has existing logical drive.

Fixed inaccuracies in SES enclosure behavior during hot-adding and hot-removing procedures.

Fixed an issue where the controller was providing incorrect mode page information regarding the Write Cache attribute of NVMe drives.

Fixed an issue causing system freezes during boot after enabling Secured-Core (DMAR) in RBSU.

Fixed an issue where the BatteryMissing event was not being sent when the battery was removed prior to boot.

Fixed an issue where a DriveOffline Redfish alert is not sent when a Drive resource initiated a sanitize operation.

Fixed an issue where the controller's attempt to update an unflashable UBM resulted in an error report.

Fixed an issue where an unflashable SMP PSOC (System Management Processor Programmable System-onChip) device was incorrectly appearing in the Type 5 downstream devices.

Fixed an issue where driver health error messages were not displayed when the system language was changed to a non-English language.

Fixed an issue of incorrectly reporting the WriteCachePolicy for a Volume resource as "ProtectedWriteBackII when the cache was temporarily disabled.

Correct Redfish properties when backup power source is removed.

Fixed an issue where the controller failed to report storage information in the absence of physical drives.

Fixed an issue where an unexpected 'BatteryCharging I event was reported when no battery was present.

Enhancements

Added support for improving secure erase time for disks supporting the WRITE SAME command.

Added support for switching persistent event log policy without clearing the existing event logs.

Added support for Remote Key Management of Managed SED.

Added support for 256 bytes Key Management Service (KMS) key identifier.

Added support for reporting surface scan metrics for host management tools.

Added support to allow re-enabling logical drive with rebuild option.

Introduce an Hll option labeled 'Configure Controller UEFI Driver Health Reporting' within the 'Configure Controller Settings' menu to provide the capability to enable or disable the reporting of configuration errors and driver health.

Introduce an 1-11 1 option labeled 'Controller Password State I within the CBE (Controller-Based Encryption) settings, enabling the actions to unset, temporarily suspend, and resume the controller password.

Updated the Redfish resource to align with the DMTF 2022.2 schema bundle, including the incorporation of Redfish annotations.

Adjusted the severity for Redfish Volume Status.Health state and DriveOffline alert for Foreign SED.

Create Redfish Volumes with a RAIDType set to 'None' for HBA (Host Bus Adapter) drives.

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server

2016/2019/2022 x64

Version: 2023.09.01 (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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
"HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
"HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
"HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0

Supported Devices and Features

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

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

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

Version: 2023.09.01 (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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0

Supported Devices and Features

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

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

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

Version: 2023.09.01 (Recommended)

Important Note!

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEA	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	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 SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.2.589.5	14.2.589.5	14.2.579.0	14.2.566.0

Supported Devices and Features

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

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

HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)

Version: 2023.09.01 (Recommended)

Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

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:

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a server reboot to apply.

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:

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a server reboot to apply.

Supported Devices and Features

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

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

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

Version: 2023.09.01 (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 SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.01.03	9.12.02	7.24	364
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.01.03	9.12.02	7.24	364
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.01.03 9.12.02		7.24	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.01.03 9.12.02		7.24	364

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:

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a

server reboot to apply.

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 SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.01.03	9.12.02	7.24	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.01.03	9.12.02	7.24	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.01.03	9.12.02	7.24	364
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.01.03	9.12.02	7.24	364

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a server reboot to apply.

Supported Devices and Features

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

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

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

Version: 2023.09.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

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:

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a server reboot to apply.

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:

Non-disruptive firmware upgrades: non-disruptive firmware updates is enabled and will not require a server reboot to apply.

Supported Devices and Features

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

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

Online Flash Component for Windows x64 - Gen10Plus UBM6 Backplane PIC Firmware

Version: 1.04 (Recommended)

Important Note!

Flash Smart Component on Standalone mode

Windows FW component only supports installation of UBM firmware when attached to HPE SR100i Gen10 Plus controller

Flash Smart Component on Gen10/Gen10 Plus 2023.03.00.00 SPP

FW Smart component supports installation of UBM firmware when attached to HPE SR100i Gen10 Plus controller

UBM firmware attached to HPE SR100i Gen10 Plus controller only can be workable on Windows OS

An iLO reset will be required if the user updates the downstream UBM via a smart component when the installed iLO version is greater or equal to 2.71.

Prerequisites

Upgrades to UBM SC/FWPKG components will work properly when the installed iLO version is great or equal to 2.72

Enhancements

Initial release.

Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.500 (Recommended)

Enhancements

Version 04.04.04.500 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers

Version: 04.04.04.500 (Optional)

Important Note!

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Deliverable Name:

Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers

Release Version:

04.04.04.500

Last Recommended or Critical Revision:

04.04.04.202

Previous Revision:

04.04.04.300

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel

Product Update (IPU) version IPU.2023.3 guidance.

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Known Issues:

None

Online ROM Flash Component for Windows x64 - Server Platform Services (SPS) Firmware for HPE Gen10 Servers

Version: 04.01.05.002 (Optional)

Important Note!

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Deliverable Name:

HPE Gen10 Server Platform Services (SPS) Firmware

Release Version:

04.01.05.002

Last Recommended or Critical Revision:

04.01.04.423

Previous Revision:

04.01.04.901

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Problems Fixed:

None

Known Issues:

None

Prerequisites

HPE Gen10 system ROM version 1.26 or later

HPE Gen10 Innovation Engine (IE) Firmware version 0.1.5.2 or later

The "iLO 5 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant CPP).

Enhancements

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Known Issues:

None

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers

Version: 04.04.04.500 (Optional)

Important Note!

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Deliverable Name:

Server Platform Services (SPS) Firmware for HPE Gen10 Plus Servers

Release Version:

04.04.04.500

Last Recommended or Critical Revision:

04.04.04.202

Previous Revision:

04.04.04.300

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Known Issues:

None

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for HPE Gen10 Servers

Version: 04.01.05.002 (Optional)

Important Note!

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Deliverable Name:

HPE Gen10 Server Platform Services (SPS) Firmware

Release Version:

04.01.05.002

Last Recommended or Critical Revision:

04.01.04.423

Previous Revision:

04.01.04.901

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Problems Fixed:

None

Known Issues:

None

Prerequisites

HPE Gen10 system ROM version 1.26 or later

HPE Gen10 Innovation Engine (IE) Firmware version 0.1.5.2 or later

The "HPE iLO 5 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant (SPP).

Enhancements

Important Notes:

This version of the Server Platform Services (SPS) Firmware contains updates aligned with the Intel Product Update (IPU) version IPU.2023.3 guidance.

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with IPU.2023.3 guidance.

Known Issues:

None

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 04.01.05.002 (Recommended)

Enhancements

Version 04.01.05.002 firmware

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.500 (Recommended)

Enhancements

Version 04.04.04.500 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.505 (Recommended)

Enhancements

Version 06.00.03.505 firmware

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

Version: 2023.07.01 (Recommended)

Fixes

Agentless Management Service

Fixed incorrect NVMe drive information displayed after hot plugging.

Fixed SSD wear status sudden peak value triggering SNMP trap false alarm.

Fixed incomplete uninstallation for amscli while upgrading Agentless Management Service.

Enhancements

Agentless Management Service

Extend network adapter speed support with 20,40, and 100G for CPQNIC MIB

cpqNicIfPhysAdapterConfSpeedDuplex OID.

HPE iLO Driver Bundle Smart Component for ESXi 7.0

Version: 2023.09.00 (Recommended)

Enhancements

Added support for vSphere 8.0U2.

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

Controllers

Version: 2023.10.01 (Recommended)

Fixes

Fixed an issue in SSA CLI where failed drive details were shown twice in the show config output.

Fixed an issue in SSA CLI where an error message was not being generated while performing an invalid modify command.

Fixed an issue in SSA CLI where the tool would display a Reboot required reason when modifying MRRS value to same value.

Fixed an issue in SSA CLI that would display an invalid error string in the show foreignmasterkeyidentifier output with Managed SEDs.

Updated SSA CLI to not list drivetypes that do not have the correct number of drives to modify an array with Managed SEDs.

Fixed an issue in SSA Scripting where a volume creation would fail when Remote SED mode was enabled and waiting for reboot.

Enhancements

Added support for Remote Key Management of Managed SED.

Added the Authority Key Identification 'security show' command in the SSA CLI for SPDM.

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

Controllers

Version: 2023.10.01 (Recommended)

Fixes

Fixed an issue in SSA CLI where failed drive details were shown twice in the show config output.

Fixed an issue in SSA CLI where an error message was not being generated while performing an invalid modify command.

Fixed an issue in SSA CLI where the tool would display a Reboot required reason when modifying MRRS value to same value.

Fixed an issue in SSA CLI that would display an invalid error string in the show foreignmasterkeyidentifier output with Managed SEDs.

Updated SSA CLI to not list drivetypes that do not have the correct number of drives to modify an array with Managed SEDs.

Fixed an issue in SSA Scripting where a volume creation would fail when Remote SED mode was enabled and waiting for reboot.

Enhancements

Added support for Remote Key Management of Managed SED.

Added the Authority Key Identification 'security show' command in the SSA CLI for SPDM.

HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2023.09.01 (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 5.3.81.2-1

Supported Devices and Features

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

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

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2023.09.01 (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 5.4.81.2-1

Supported Devices and Features

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

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual

HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0

Version: 2023.09.01 (Recommended)

Important Note!

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

Prerequisites

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

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

Enhancements

Updated to Driver version 14.2.567.0

Supported Devices and Features

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

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

Agentless Management Service for Microsoft Windows x64

Version: 2.51.4.1 (Optional)

Important Note!

About installation and enablement of SMA service:

- During AMS installation in interactive mode, there is pop up message to selectively install SMA.
- If Yes is selected, SMA service will be installed and set to running state.
- If No is selected, SMA service will be installed but the service is not enabled.
- During AMS installation in silent mode, SMA is installed but the service is not enabled.
- To enable SMA service at a later time, go to the following folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "EnableSma.bat /f"

- **IMPORTANT:** The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat".
- To disable SMA after it has been enabled, go to the following folder: %ProgramFiles%\OEM\AMS\Service\ (Typically c:\Program Files\OEM\AMS\Service) and execute "DisableSma.bat /f"
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process). If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly."

AMS Control Panel Applet:

- The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.
- Test trap generated from AMS Control Panel Applet requires iLO5 firmware version 2.10 and newer.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

Prerequisites

The Channel Interface Driver for Windows X64 must be installed prior to this component.
Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

Fixes

- Fixed AMS crash during session communication error with iLO.
- Fixed IML missing when network status changed from disabled to enabled.
- Fixed sending unsupported identify command to ODD.

Enhancements

- Supported HPE Apollo 6500 Gen10 Plus.

Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.25.9.0 (Recommended)

Fixes

- Updated SSA GUI to show foreign volume status as SED data are locked.
- Updated SSA GUI to allow modifying the controller cache settings when foreign volumes are present with Managed SEDs.

Enhancements

- Added support for Remote Key Management of Managed SED.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.25.9.0 (Recommended)

Important Note!

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI

form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

Fixes

- Fixed an issue in SSA CLI where failed drive details were shown twice in the show config output.
- Fixed an issue in SSA CLI where an error message was not being generated while performing an invalid modify command.
- Fixed an issue in SSA CLI where the tool would display a Reboot required reason when modifying MRRS value to same value.
- Fixed an issue in SSA CLI that would display an invalid error string in the show foreignmasterkeyidentifier output with Managed SEDs.
- Updated SSA CLI to not list drivetypes that do not have the correct number of drives to modify an array with Managed SEDs.
- Fixed an issue in SSA Scripting where a volume creation would fail when Remote SED mode was enabled and waiting for reboot.

Enhancements

- Added support for Remote Key Management of Managed SED.
- Added the Authority Key Identification 'security show' command in the SSA CLI for SPDM.