

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 7.45 32

Readme

2026年10月

1. はじめに

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

1.1 他社所有名称に対する表示

HITACHI は、株式会社 日立製作所の商標または登録商標です。

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

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

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

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

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

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

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

Emulex は、米国 Emulex Corporation の登録商標です。

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

NVIDIA は、米国およびその他の国における NVIDIA Corporation の商標または登録商標です。

その他記載の会社名、製品名は、それぞれの会社の商標もしくは登録商標です。

1.2 注意事項

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

(7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧ください。ご覧ください。事前にご理解いただくべき内容を記載しています。こちらに合わせてご参照ください。マニュアルは『[ドキュメントポータル](#)』の「マニュアル > サーバ」-「HA8000V シリーズ」より参照いただけます。

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

1.3 変更履歴

発行日	変更内容
2026年5月	初版
2026年7月	誤記訂正
2026年10月	MRSA(MegaRAID Storage Administrator)追加サポート

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 Gen11 (U65)
- HA8000V/DL360 Gen11 (U54)
- HA8000V/DL380a Gen11 (U58)
- HA8000V/DL380 Gen11 (U54)
- HA8000V/DL320 Gen11 (U63)
- HA8000V/DL560 Gen11 (U59)
- HA8000V/ML30 Gen11 (U65)
- HA8000V/ML350 Gen11 (U54)

3.2 適用 OS

- Microsoft® Windows Server® 2025
- Microsoft® Windows Server® 2022
- Red Hat® Enterprise Linux® Server 9.6
- VMware® ESX 9.0
- VMware ESXi™ 8.0

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

『3 適用機種及びOS』を参照してください。

(1) 追加サポート機種及びOS

- 追加サポート機種

なし

- 追加サポートOS

- Red Hat® Enterprise Linux® Server 9.6

(2) 追加サポートデバイス

なし

(3) サポート除外機種及びOS

- サポート除外機種

なし

- サポート除外OS

- Microsoft® Windows Server® 2019

- Red Hat® Enterprise Linux® Server 9.5

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、OS セットアップ前にオフライン展開モードを使用してファームウェアを更新してください。OS セットアップ後のオンライン展開モードでの SPH 初回適用では、SUM インベントリ結果の「推奨されたコンポーネント」にファームウェアが選択されていないことを確認してから、適用してください。

「推奨されたコンポーネント」にファームウェアが選択された場合は、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

ツ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	
		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)
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) SUM GUI での適用パッケージの選択について

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

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

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

【注意】

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

(5) Linux 環境における適用パッケージのOSライブラリ依存について

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

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

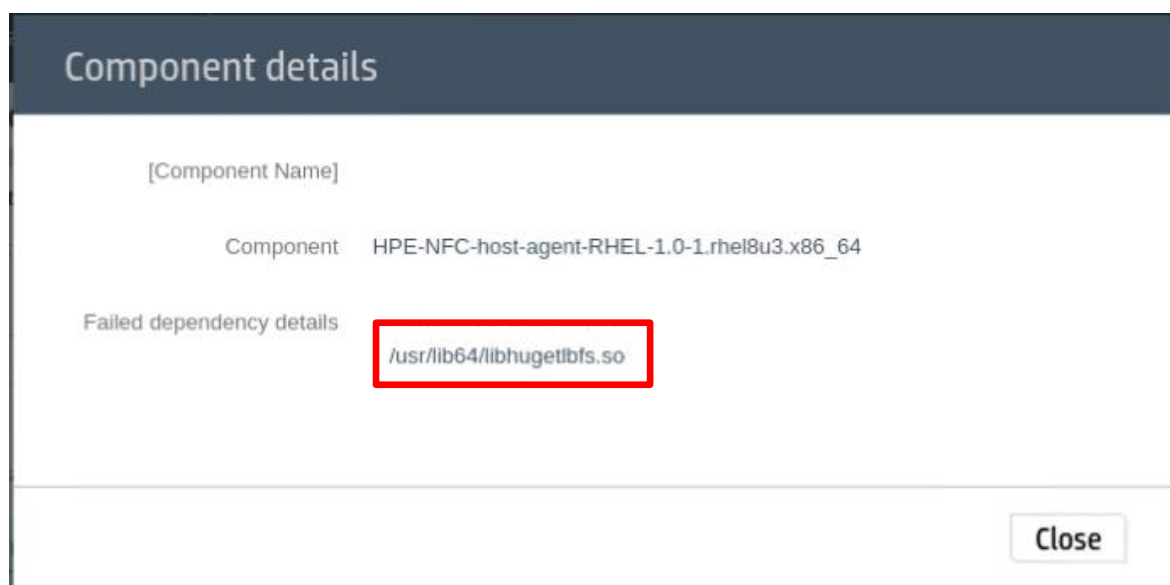
なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【インベントリ完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。

	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8 (HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64)		Software	Recommended	1.0-1.rhel8u3	No
---	---	---	----------	-------------	---------------	----

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。

Deployment			
localhost Install done with error(s) Deployment done.			
Search			
Component	Package	Deployment status	Log
HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	Update returned an error.	View log

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)

Deployment log

Component HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64

Component log

```
===== Smart Update Manager Installation Log =====

Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm
Version: 1.0-1.rhel8u3
Log Date: 11/30/21 10:53 AM

error: Failed dependencies:
/usr/lib64/libuuid.so is needed by HPE-NFC-host-agent-
RHEL-1.0-1.rhel8u3.x86_64

Return code: -3

Log Session End. [10:53 AM]
Component update process finished with exit code [-3].
=====

===== Smart Update Manager Installation Log =====

Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm
Version: 1.0-1.rhel8u3
Log Date: 11/30/21 10:53 AM
```

Close

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

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。

【エラーが発生した場合のインストールキューの状態】

✕
🗑

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

(7) SUM 実行でのインベントリ失敗時の対応について

11 / 227

【インベントリ失敗時の表示例】



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 6 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 6 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) オンライン SUM 実行中の OS 再起動について

オンラインにて SUM 実行中に、対象装置が自動的に OS 再起動することがあります。この場合、いくつかパッケージがアップデートされていない可能性がありますので、再度 SUM を実行して、残りのパッケージをアップデートしてください。

全てアップデートされているかの確認方法は、『5.3 (1) ファームウェア/ドライバの依存関係について』記載の手順を参考にしてください。

(9) USB 起動媒体の作成について

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hands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 を使った OS のインストール又は SPH 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 2022	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022
2	Windows Server 2025	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025

(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.GetCimInstanc
```

```
eCommand
```

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™ 8.0	cp070600.zip	sutComponent_800.6.6.0.8-*.zip
2	VMware® ESX 9.0		

- (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、ESXi 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

ESXi 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、ESXi ホスト上で以下を実行してください。

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

5.7.4 リモートオンライン 展開モードをご使用時の注意事項

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

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

【iLO が AMS に接続している場合】

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

【iLO が AMS に接続していない場合】

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

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

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

5.8 SUM オフライン展開モードご使用時の注意事項

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

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

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

【注意】

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

5.9 Intel 製ネットワークアダプタご使用について

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

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

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

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

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

5.10 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 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 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 Gen11 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□□-P47184-B21	SR932i-p Gen11 コントローラ	HPE SR932i-p Gen11 24G Controller Kit
TQ-R□□-P47789-B21	MR216i-o Gen11 コントローラ	HPE MR216i-o Gen11 12G Controller Kit
TQ-R□□-P47785-B21	MR216i-p Gen11 コントローラ	HPE MR216i-p Gen11 12G Controller Kit
TQ-R□□-P58335-B21	MR408i-o Gen11 コントローラ	HPE MR408i-o Gen11 SPDM Storage Cntlr
TQ-R□□-P47781-B21	MR416i-o Gen11 コントローラ	HPE MR416i-o Gen11 12G Controller Kit
TQ-R□□-P47777-B21	MR416i-p Gen11 コントローラ	HPE MR416i-p Gen11 12G Controller Kit
TQ-R□□-P74775-B21	MR408i-p Gen11 コントローラ	HPE MR408i-p Gen11 12G Controller Kit

(*1)：□には製品構成などにより異なった英数字が入ります。

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	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】

- BCM 5719 1Gb 4p BASE-T Adptr
- BCM 5719 1Gb 4p BASE-T OCP Adptr
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

(1) ネットワークアダプタ レジストリ設定の適用

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

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

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

ツール実行後、OS を再起動してください。

6.2 SUM ツールで適用可能なファイル

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

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

Windows 環境：

```
.\launch_sum.bat
```

Linux 環境：

```
./launch_sum.sh
```

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

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

次節以降、カテゴリ別にパッケージの情報を示します。

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

6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1	Integrated Smart Update Tools 6.6.0 for ESXi 8.0, ESXi 9.0 and ESXi 9.1	cp070600.zip	-	2026.03.00	800.6.6.0.8-0
2	Integrated Smart Update Tools for Linux x64	sut-6.6.0-11.linux.x86_64.rpm	-	6.6.0.0	6.6.0-11.linux
3	Integrated Smart Update Tools for Windows x64	cp070601.exe	-	6.6.0.0	6.6.0.0

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
4	Online ROM Flash Component for Linux - System ROM U54	firmware-system-oem-u54-2.80_2026_01_29-1.1.x86_64.rpm	System BIOS - U54	2.80_01-29-2026	U54 v2.80 (01/29/2026)
5	Online ROM Flash Component for Linux - System ROM U58	firmware-system-oem-u58-2.80_2026_01_29-1.1.x86_64.rpm	System BIOS - U58	2.80_01-29-2026	U58 v2.80 (01/29/2026)
6	Online ROM Flash Component for Linux - System ROM U59	firmware-system-oem-u59-2.80_2026_01_29-1.1.x86_64.rpm	System BIOS - U59	2.80_01-29-2026	U59 v2.80 (01/29/2026)
7	Online ROM Flash Component for Linux - System ROM U63	firmware-system-oem-u63-2.80_2026_01_29-1.1.x86_64.rpm	System BIOS - U63	2.80_01-29-2026	U63 v2.80 (01/29/2026)
8	Online ROM Flash Component for Linux - System ROM U65	firmware-system-oem-u65-2.40_2026_02_06-1.1.x86_64.rpm	System BIOS - U65	2.40_02-06-2026	U65 v2.40 (02/06/2026)
9	Online ROM Flash Component for Windows x64 - System ROM U54	cp070572.exe	System BIOS - U54	2.80_01-29-2026	U54 v2.80 (01/29/2026)
10	Online ROM Flash Component for Windows x64 - System ROM U58	cp070596.exe	System BIOS - U58	2.80_01-29-2026	U58 v2.80 (01/29/2026)
11	Online ROM Flash Component for Windows x64 - System ROM U59	cp070593.exe	System BIOS - U59	2.80_01-29-2026	U59 v2.80 (01/29/2026)
12	Online ROM Flash Component for Windows x64 - System ROM U63	cp070590.exe	System BIOS - U63	2.80_01-29-2026	U63 v2.80 (01/29/2026)
13	Online ROM Flash Component for Windows x64 - System ROM U65	cp070812.exe	System BIOS - U65	2.40_02-06-2026	U65 v2.40 (02/06/2026)
14	ROM Flash Firmware Package - System ROM U54	OEM.U54_2.80_01_29_2026.fwpkg	System BIOS - U54	2.80_01-29-2026	U54 v2.80 (01/29/2026)
15	ROM Flash Firmware Package - System ROM U59	OEM.U59_2.80_01_29_2026.fwpkg	System BIOS - U59	2.80_01-29-2026	U59 v2.80 (01/29/2026)
16	ROM Flash Firmware Package - System ROM U63	OEM.U63_2.80_01_29_2026.fwpkg	System BIOS - U63	2.80_01-29-2026	U63 v2.80 (01/29/2026)
17	ROM Flash Firmware Package - System ROM U65	OEM.U65_2.40_02_06_2026.fwpkg	System BIOS - U65	2.40_02-06-2026	U65 v2.40 (02/06/2026)

6.2.3 Driver - Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
18	Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows	cp069592.exe	-	10.1.19886.8592 (B)	10.1.19886.8592
19	Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows	cp070874.exe	-	10.1.19879.8585 (F)	10.1.19879.8585

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
20	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp069002.exe	BCM 5719 1GbE 4p BASE-T LOM Adptr	221.0.8.0 (C)	221.0.8.0
21	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp069002.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.8.0 (C)	221.0.8.0
22	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp069002.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.8.0 (C)	221.0.8.0
23	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp069002.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.8.0 (C)	221.0.8.0
24	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	235.1.122.0	235.1.122.0
25	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	235.1.122.0	235.1.122.0
26	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57416 10GbE 2p BASE-T Adptr	235.1.122.0	235.1.122.0
27	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	235.1.122.0	235.1.122.0
28	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57412 10GbE 2p SFP+ Adptr	235.1.122.0	235.1.122.0
29	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	235.1.122.0	235.1.122.0
30	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	235.1.122.0	235.1.122.0
31	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	235.1.122.0	235.1.122.0
32	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	235.1.122.0	235.1.122.0
33	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp069012.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	235.1.122.0	235.1.122.0
34	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	235.1.122.0	235.1.122.0
35	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	235.1.122.0	235.1.122.0
36	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57416 10GbE 2p BASE-T Adptr	235.1.122.0	235.1.122.0
37	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	235.1.122.0	235.1.122.0
38	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57412 10GbE 2p SFP+ Adptr	235.1.122.0	235.1.122.0
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	235.1.122.0	235.1.122.0
40	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	235.1.122.0	235.1.122.0
41	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	235.1.122.0	235.1.122.0
42	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	235.1.122.0	235.1.122.0
43	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp069011.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	235.1.122.0	235.1.122.0

44	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
45	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
46	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
47	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
48	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
49	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
50	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
51	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
52	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
53	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-235.1.164.14.rhel9u6.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-235.1.164.14	1.10.3-235.1.164.14.rhel9u6
54	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
55	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
56	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
57	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
58	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
59	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
60	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
61	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240

62	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
63	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp068542.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.800.1.0.20613240
64	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
65	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
66	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
67	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
68	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
69	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
70	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
71	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
72	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
73	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp068543.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.11.00	235.1.240.0-10EM.900.0.24755229
74	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	235.1.164.14	235.1.164.14-rhel9u6
75	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	235.1.164.14	235.1.164.14-rhel9u6
76	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	235.1.164.14	235.1.164.14-rhel9u6
77	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	235.1.164.14	235.1.164.14-rhel9u6
78	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	235.1.164.14	235.1.164.14-rhel9u6
79	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	235.1.164.14	235.1.164.14-rhel9u6
80	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	235.1.164.14	235.1.164.14-rhel9u6
81	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	235.1.164.14	235.1.164.14-rhel9u6
82	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9	libbnxt_re-235.1.164.14-	BCM 57504 10/25GbE 4p SFP28 Adptr	235.1.164.14	235.1.164.14-rhel9u6

	Update 6.	rhel9u6.x86_64.rpm			
83	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.	libbnxt_re-235.1.164.14-rhel9u6.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	235.1.164.14	235.1.164.14-rhel9u6
84	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139w-1.rhel9u6.x86_64.rpm	BCM 5719 1GbE 4p BASE-T LOM Adptr	3.139w-1	3.139w-1.rhel9u6
85	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139w-1.rhel9u6.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139w-1	3.139w-1.rhel9u6
86	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139w-1.rhel9u6.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139w-1	3.139w-1.rhel9u6
87	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139w-1.rhel9u6.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139w-1	3.139w-1.rhel9u6
88	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.13.20-1.rhel9u6.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.13.20-1	4.13.20-1.rhel9u6
89	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.13.20-1.rhel9u6.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.13.20-1	4.13.20-1.rhel9u6
90	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.13.20-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA2 adapter	4.13.20-1	4.13.20-1.rhel9u6
91	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.13.20-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.13.20-1	4.13.20-1.rhel9u6
92	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.13.20-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.13.20-1	4.13.20-1.rhel9u6
93	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.19.10-1.rhel9u6.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.19.10-1	5.19.10-1.rhel9u6
94	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.19.10-1.rhel9u6.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.19.10-1	5.19.10-1.rhel9u6
95	HPE Intel igbn Driver for VMware vSphere 8.0	cp066052.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2025.05.00	1.12.2.0-10EM.800.1.0.20613240
96	HPE Intel igbn Driver for VMware vSphere 8.0	cp066052.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2025.05.00	1.12.2.0-10EM.800.1.0.20613240
97	HPE Intel igbn Driver for VMware vSphere 9.0	cp067481.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2025.11.00	1.13.2.0-10EM.900.0.24580437
98	HPE Intel igbn Driver for VMware vSphere 9.0	cp067481.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2025.11.00	1.13.2.0-10EM.900.0.24580437
99	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
100	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
101	HPE Mellanox RoCE Driver [ConnectX-4	kmod-mlnx-	HPE IB NDR 1p OSFP	25.07-	25.07-

	and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	MCX75310AAS Adptr	0.9.7.0	OFED.25.07.0.9.7.1.rhel9u6
102	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
103	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
104	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR200/EN 200G 2p QSFP112 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
105	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
106	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
107	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	kmod-mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
108	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
109	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
110	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR 1p OSFP MCX75310AAS Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
111	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
112	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
113	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB NDR200/EN 200G 2p QSFP112 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
114	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
115	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
116	HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)	mlnx-ofa_kernel-25.07-OFED.25.07.0.9.7.1.rhel9u6.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	25.07-0.9.7.0	25.07-OFED.25.07.0.9.7.1.rhel9u6
117	Intel i350 Driver for Windows Server 2022	cp069544.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.13.0 (B)	14.0.13.0

118	Intel i350 Driver for Windows Server 2022	cp069544.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.13.0 (B)	14.0.13.0
119	Intel i350 Driver for Windows Server 2025	cp069545.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.1.24.0 (B)	14.1.24.0
120	Intel i350 Driver for Windows Server 2025	cp069545.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.1.24.0 (B)	14.1.24.0
121	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-2.4.5-1.rhel9u6.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2.4.5-1	2.4.5-1.rhel9u6
122	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-2.4.5-1.rhel9u6.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2.4.5-1	2.4.5-1.rhel9u6
123	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-2.4.5-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA2 adapter	2.4.5-1	2.4.5-1.rhel9u6
124	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-2.4.5-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	2.4.5-1	2.4.5-1.rhel9u6
125	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-2.4.5-1.rhel9u6.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2.4.5-1	2.4.5-1.rhel9u6
126	Intel icea Driver for Microsoft Windows Server 2022	cp070553.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.20.39.0	1.20.39.0
127	Intel icea Driver for Microsoft Windows Server 2022	cp070553.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.20.39.0	1.20.39.0
128	Intel icea Driver for Microsoft Windows Server 2022	cp070553.exe	Intel E810-XXVDA2 adapter	1.20.39.0	1.20.39.0
129	Intel icea Driver for Microsoft Windows Server 2022	cp070553.exe	Intel E810-XXVDA2 OCP3 adapter	1.20.39.0	1.20.39.0
130	Intel icea Driver for Microsoft Windows Server 2022	cp070553.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.20.39.0	1.20.39.0
131	Intel icea Driver for Microsoft Windows Server 2025	cp070554.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.20.43.0	1.20.43.0
132	Intel icea Driver for Microsoft Windows Server 2025	cp070554.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.20.43.0	1.20.43.0
133	Intel icea Driver for Microsoft Windows Server 2025	cp070554.exe	Intel E810-XXVDA2 adapter	1.20.43.0	1.20.43.0
134	Intel icea Driver for Microsoft Windows Server 2025	cp070554.exe	Intel E810-XXVDA2 OCP3 adapter	1.20.43.0	1.20.43.0
135	Intel icea Driver for Microsoft Windows Server 2025	cp070554.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.20.43.0	1.20.43.0
136	Intel icen Driver for VMware vSphere 8.0	cp068814.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2026.03.00	2.3.3.0-10EM.800.1.0.20613240
137	Intel icen Driver for VMware vSphere 8.0	cp068814.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3	2026.03.00	2.3.3.0-10EM.800.1.0.20613240

			Adapter for HPE		
138	Intel icen Driver for VMware vSphere 8.0	cp068814.zip	Intel E810-XXVDA2 adapter	2026.03.00	2.3.3.0-10EM.800.1.0.20613240
139	Intel icen Driver for VMware vSphere 8.0	cp068814.zip	Intel E810-XXVDA2 OCP3 adapter	2026.03.00	2.3.3.0-10EM.800.1.0.20613240
140	Intel icen Driver for VMware vSphere 8.0	cp068814.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2026.03.00	2.3.3.0-10EM.800.1.0.20613240
141	Intel icen Driver for VMware vSphere 9.0	cp068815.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2026.03.00	2.3.3.0-10EM.900.0.24755229
142	Intel icen Driver for VMware vSphere 9.0	cp068815.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2026.03.00	2.3.3.0-10EM.900.0.24755229
143	Intel icen Driver for VMware vSphere 9.0	cp068815.zip	Intel E810-XXVDA2 adapter	2026.03.00	2.3.3.0-10EM.900.0.24755229
144	Intel icen Driver for VMware vSphere 9.0	cp068815.zip	Intel E810-XXVDA2 OCP3 adapter	2026.03.00	2.3.3.0-10EM.900.0.24755229
145	Intel icen Driver for VMware vSphere 9.0	cp068815.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2026.03.00	2.3.3.0-10EM.900.0.24755229
146	Mellanox WinOF2 Driver for Microsoft Windows Server 2022	cp068343.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	25.7.26882.0	25.7.26882.0
147	Mellanox WinOF2 Driver for Microsoft Windows Server 2022	cp068343.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	25.7.26882.0	25.7.26882.0
148	Mellanox WinOF2 Driver for Microsoft Windows Server 2022	cp068343.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	25.7.26882.0	25.7.26882.0
149	Mellanox WinOF2 Driver for Microsoft Windows Server 2025	cp068345.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	25.7.26882.0	25.7.26882.0
150	Mellanox WinOF2 Driver for Microsoft Windows Server 2025	cp068345.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	25.7.26882.0	25.7.26882.0
151	Mellanox WinOF2 Driver for Microsoft Windows Server 2025	cp068345.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	25.7.26882.0	25.7.26882.0

6.2.5 Driver – Security

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
152	Intel QuickAssist Technology driver for Microsoft Windows	cp069598.exe	-	2.6.0.30	2.6.0.30

6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
153	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11	cp068884.zip	HPE_MR416i-o_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240

	Controllers Driver (64-bit) for vSphere 8.0				
154	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0	cp068884.zip	HPE_MR416i-p_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240
155	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0	cp068884.zip	HPE_MR216i-o_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240
156	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0	cp068884.zip	HPE_MR408i-o_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240
157	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0	cp068884.zip	HPE_MR216i-p_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240
158	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0	cp068884.zip	HPE_MR408i-p_Gen11	2026.03.01	7.736.02.00-10EM.800.1.0.20613240
159	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0	cp068885.zip	HPE_MR416i-o_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229
160	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0	cp068885.zip	HPE_MR416i-p_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229
161	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0	cp068885.zip	HPE_MR216i-o_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229
162	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0	cp068885.zip	HPE_MR408i-o_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229
163	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0	cp068885.zip	HPE_MR216i-p_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229
164	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11	cp068885.zip	HPE_MR408i-p_Gen11	2026.03.01	7.736.02.00-10EM.900.0.2.4755229

	Controllers Driver (64-bit) for vSphere 9.0				
165	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR416i-o_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
166	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR416i-p_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
167	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR216i-o_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
168	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR408i-o_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
169	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR216i-p_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
170	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.736.04.00_rhel9u6-1.x86_64.rpm	HPE_MR408i-p_Gen11	07.736.04.00	07.736.04.00_rhel9u6-1
171	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition	cp069507.exe	HPE_MR416i-o_Gen11	7.736.3.0	7.736.3.0
172	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition	cp069507.exe	HPE_MR416i-p_Gen11	7.736.3.0	7.736.3.0
173	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition	cp069507.exe	HPE_MR216i-o_Gen11	7.736.3.0	7.736.3.0
174	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition	cp069507.exe	HPE_MR408i-o_Gen11	7.736.3.0	7.736.3.0
175	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11	cp069507.exe	HPE_MR216i-p_Gen11	7.736.3.0	7.736.3.0

	Controllers driver for Microsoft Windows 2025 edition				
176	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition	cp069507.exe	HPE_MR408i-p_Gen11	7.736.3.0	7.736.3.0
177	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp069364.zip	HPE Smart Array E208e-p SR Gen10 Controller	2026.01.01	80.4880.0.109 - 10EM.800.1.0 .20613240
178	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp069364.zip	HPE SR932i-p Gen11	2026.01.01	80.4880.0.109 - 10EM.800.1.0 .20613240
179	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 9.0 (Driver Component).	cp069363.zip	HPE Smart Array E208e-p SR Gen10 Controller	2026.01.01	90.4880.0.109 - 10EM.900.0.2 4755229
180	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 9.0 (Driver Component).	cp069363.zip	HPE SR932i-p Gen11	2026.01.01	90.4880.0.109 - 10EM.900.0.2 4755229
181	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.38-022.rhel9u6.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.38-022	2.1.38-022.rhel9u6
182	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.38-022.rhel9u6.x86_64.rpm	HPE SR932i-p Gen11	2.1.38-022	2.1.38-022.rhel9u6
183	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2022 and Windows Server 2025	cp069362.exe	HPE Smart Array E208e-p SR Gen10 Controller	1016.30.0.1 014	1016.30.0.101 4
184	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2022 and Windows Server 2025	cp069362.exe	HPE SR932i-p Gen11	1016.30.0.1 014	1016.30.0.101 4
185	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition	cp068882.exe	HPE_MR416i-o_Gen11	7.736.3.0	7.736.3.0
186	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition	cp068882.exe	HPE_MR416i-p_Gen11	7.736.3.0	7.736.3.0
187	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition	cp068882.exe	HPE_MR216i-o_Gen11	7.736.3.0	7.736.3.0
188	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition	cp068882.exe	HPE_MR408i-o_Gen11	7.736.3.0	7.736.3.0
189	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11	cp068882.exe	HPE_MR216i-p_Gen11	7.736.3.0	7.736.3.0

	Controllers driver for Microsoft Windows 2022 edition				
190	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition	cp068882.exe	HPE_MR408i-p_Gen11	7.736.3.0	7.736.3.0

6.2.7 Driver – Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
191	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp068067.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.624.0	14.4.624.0
192	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp068067.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.624.0	14.4.624.0
193	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp068067.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.624.0	14.4.624.0
194	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp068067.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.624.0	14.4.624.0
195	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp070326.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.624.1	14.4.624.1
196	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp070326.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.624.1	14.4.624.1
197	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp070326.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.624.1	14.4.624.1
198	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp070326.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.624.1	14.4.624.1
199	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp071050.exe	HPE SN1700Q 64Gb 2p FC HBA	9.4.11.20 (c)	9.4.11.20
200	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp071050.exe	HPE SN1700Q 64Gb 1p FC HBA	9.4.11.20 (c)	9.4.11.20
201	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp071050.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20 (c)	9.4.11.20
202	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp071050.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20 (c)	9.4.11.20
203	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp071257.exe	HPE SN1700Q 64Gb 2p FC HBA	9.4.11.20 (d)	9.4.11.20
204	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp071257.exe	HPE SN1700Q 64Gb 1p FC HBA	9.4.11.20 (d)	9.4.11.20
205	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp071257.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20 (d)	9.4.11.20
206	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp071257.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20 (d)	9.4.11.20

207	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.731.6-1.rhel9u6.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.731.6	14.4.731.6-1.rhel9u6
208	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.731.6-1.rhel9u6.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.731.6	14.4.731.6-1.rhel9u6
209	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.731.6-1.rhel9u6.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.731.6	14.4.731.6-1.rhel9u6
210	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.731.6-1.rhel9u6.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.731.6	14.4.731.6-1.rhel9u6
211	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.15.00_k1-1.rhel9u6.x86_64.rpm	HPE SN1700Q 64Gb 2p FC HBA	10.02.15.00-k1	10.02.15.00_k1-1.rhel9u6
212	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.15.00_k1-1.rhel9u6.x86_64.rpm	HPE SN1700Q 64Gb 1p FC HBA	10.02.15.00-k1	10.02.15.00_k1-1.rhel9u6
213	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.15.00_k1-1.rhel9u6.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.15.00-k1	10.02.15.00_k1-1.rhel9u6
214	Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.15.00_k1-1.rhel9u6.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.15.00-k1	10.02.15.00_k1-1.rhel9u6

6.2.8 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
215	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp069675.exe	-	4.7.1.0 (I)	4.7.1.0
216	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025	cp069677.exe	-	4.7.2.0 (G)	4.7.2.0
217	iLO 6 Channel Interface Driver for Microsoft Windows Server 2022	cp069674.exe	-	4.7.1.0 (I)	4.7.1.0
218	iLO 6 Channel Interface Driver for Microsoft Windows Server 2025	cp069676.exe	-	4.7.2.0 (G)	4.7.2.0

6.2.9 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
219	Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025	cp069678.exe	-	9.15.1.268 (F)	9.15.1.268

6.2.10 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
220	Language Pack - Japanese	cp071030.exe	-	1.74 (A)	1.74.15
221	Language Pack - Japanese	firmware-ilo6-lpk-jari11-1.74-1.1.x86_64.rpm	-	1.74 (A)	1.74.15
222	Online ROM Flash Component for Linux - iLO 6	firmware-ilo6-1.74-1.1.x86_64.rpm	-	1.74	1.74 Jan 29 2026
223	Online ROM Flash Component for	cp070075.exe	-	1.74	1.74 Jan 29

	Windows x64 - iLO 6				2026
224	Online ROM Flash Firmware Package - iLO 6	ilo6_174.fwpkg	-	1.74	1.74 Jan 29 2026

6.2.11 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
225	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57414 10/25GbE 2p SFP28 Adptr	235.1.164.14	235.1.164.14
226	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	235.1.164.14	235.1.164.14
227	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57416 10GbE 2p BASE-T Adptr	235.1.164.14	235.1.164.14
228	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57412 10GbE 2p SFP+ Adptr	235.1.164.14	235.1.164.14
229	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	235.1.164.14	235.1.164.14
230	Broadcom Firmware Package for BCM5741x adapters	bcm235.1.164.14.fwpkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	235.1.164.14	235.1.164.14
231	Broadcom Firmware Package for BCM5750x adapters	bcm235.1.164.7_Thor.fwpkg	BCM 57504 10/25GbE 4p SFP28 Adptr	235.1.164.7	235.1.164.7
232	Broadcom Firmware Package for BCM5750x adapters	bcm235.1.164.7_Thor.fwpkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	235.1.164.7	235.1.164.7
233	Broadcom Firmware Package for BCM57608 100GbE 2p Adapter	BCM235.1.164.14_BC M957608-P2100HQF00.fwpkg	Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr	235.1.164.14	235.1.164.14
234	Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter	BCM235.1.164.14_BC M957608-N2100HQI00.fwpkg	Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr	235.1.164.14	235.1.164.14
235	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.42.0-1.1.x86_64.rpm	BCM 5719 1GbE 4p BASE-T LOM Adptr	2.42.0	20.35.41
236	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.42.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	2.42.0	20.35.41
237	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.42.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	2.42.0	20.35.41
238	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.42.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	2.42.0	20.35.41
239	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP070621.zip	BCM 5719 1GbE 4p BASE-T LOM Adptr	1.43.0 (B)	20.35.41
240	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP070621.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.43.0 (B)	20.35.41
241	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP070621.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.43.0 (B)	20.35.41
242	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP070621.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.43.0 (B)	20.35.41
243	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp069008.exe	BCM 5719 1GbE 4p BASE-T LOM Adptr	5.4.6.0	20.35.41
244	Broadcom NX1 Online Firmware	cp069008.exe	Broadcom BCM5719	5.4.6.0	20.35.41

	Upgrade Utility for Windows Server x64 Editions		Ethernet 1Gb 4-port Base-T Adapter for HPE		
245	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp069008.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.4.6.0	20.35.41
246	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp069008.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.4.6.0	20.35.41
247	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p91_PLDMoMCTP_800214AF.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.91	4.91
248	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p91_NCSlwPLDMoMCTP_800214AD.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.91	4.91
249	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p91_PLDMoMCTP_800214AB.fwpkg	Intel E810-XXVDA2 adapter	4.91	4.91
250	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p91_NCSlwPLDMoMCTP_800214B2.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.91	4.91
251	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p91_PLDMoMCTP_800214B3.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.91	4.91
252	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.36.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.36.0	1.3909.0
253	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.36.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.36.0	1.3909.0
254	Intel Online Firmware Upgrade Utility for VMware	CP070391.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.29.0	1.3909.0
255	Intel Online Firmware Upgrade Utility for VMware	CP070391.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	3.29.0	1.3909.0
256	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp070392.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.4.7.0	1.3909.0
257	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp070392.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.4.7.0	1.3909.0
258	NVIDIA Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_46_3048-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.46.3048	26.46.3048
259	NVIDIA Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_46_3048-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.46.3048	26.46.3048
260	NVIDIA 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_8002-MCX515A-CCA_HPE_Ax.pldm.fw pkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.8002	16.35.8002
261	NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21	20_43_8002-MCX653106A-ECA_HPE_Ax.pldm.fw pkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.43.8002	20.43.8002
262	NVIDIA Firmware Package (FWPKG) for	28_47_1026-	HPE IB NDR 1p OSFP	28.47.1026	28.47.1026

	HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B21 and P45641-H21	MCX75310AAS-NEAT_HPE_Ax.pldm.fwpkg	MCX75310AAS Adptr		
263	NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23	28_47_1026-MCX75310AAS-NEAT_HPE2_Ax.pldm.fwpkg	HPE IB NDR/EN 400G 1p OSFP Adptr	28.47.1026	28.47.1026
264	NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22	28_47_1026-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg	HPE IB NDR200/EN 200G 1p OSFP Adptr	28.47.1026	28.47.1026
265	NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter : HPE part numbers P65333-B21 and P65333-H21	28_47_1026-MCX755106AC-HEAT_HPE_Ax.pldm.fwpkg	HPE IB NDR200/EN 200G 2p QSFP112 Adptr	28.47.1026	28.47.1026
266	NVIDIA Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_46_3048-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.46.3048	22.46.3048

6.2.12 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
267	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000480KXNXE	HPK4	HPK4
268	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000960KXNZU	HPK4	HPK4
269	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VS001920KXNXF	HPK4	HPK4
270	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XLUL7T68	GPK8 (D)	GPK8
271	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XVUL6T40	GPK8 (D)	GPK8
272	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XVUL1T60	GPK8 (D)	GPK8
273	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XVUL800G	GPK8 (D)	GPK8
274	Online NVMe SSD Flash Component for	firmware-hdd-	KCD6XVUL3T20	GPK8 (D)	GPK8

	Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	6fc985bd3b-GPK8-4.1.x86_64.rpm			
275	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XLUL960G	GPK8 (D)	GPK8
276	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XLUL1T92	GPK8 (D)	GPK8
277	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XLUL3T84	GPK8 (D)	GPK8
278	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XVUL12T8	GPK8 (D)	GPK8
279	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK8-4.1.x86_64.rpm	KCD6XLUL15T3	GPK8 (D)	GPK8
280	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK6-4.1.x86_64.rpm	KCM6FRUL1T92	GPK6 (D)	GPK6
281	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK6-4.1.x86_64.rpm	KCM6FRUL3T84	GPK6 (D)	GPK6
282	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK6-4.1.x86_64.rpm	KCM6FVUL3T20	GPK6 (D)	GPK6
283	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK6-4.1.x86_64.rpm	KCM6FVUL1T60	GPK6 (D)	GPK6
284	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XRUL960G	GPK8 (D)	GPK8
285	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20,	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XRUL7T68	GPK8 (D)	GPK8

	KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
286	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XRUL1T92	GPK8 (D)	GPK8
287	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XVUL3T20	GPK8 (D)	GPK8
288	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XRUL3T84	GPK8 (D)	GPK8
289	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XVUL800G	GPK8 (D)	GPK8
290	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XVUL6T40	GPK8 (D)	GPK8
291	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK8-4.1.x86_64.rpm	KCM6XVUL1T60	GPK8 (D)	GPK8
292	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	MO001600KYDMU	HPK6 (E)	HPK6
293	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	MO006400KYDND	HPK6 (E)	HPK6
294	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	VO015360KYDNB	HPK6 (E)	HPK6
295	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	VO007680KYDNA	HPK6 (E)	HPK6
296	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	MO003200KYDNC	HPK6 (E)	HPK6

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
297	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	VO001920KYDMT	HPK6 (E)	HPK6
298	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-5.1.x86_64.rpm	VO003840KYDMV	HPK6 (E)	HPK6
299	Online NVMe SSD Flash Component for Linux (x64) -MZXL800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-6.1.x86_64.rpm	MZXLR12THALA-000H3	MPK7825Q (F)	MPK7825Q
300	Online NVMe SSD Flash Component for Linux (x64) -MZXL800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-6.1.x86_64.rpm	MZXLR15THALA-000H3	MPK7825Q (F)	MPK7825Q
301	Online NVMe SSD Flash Component for Linux (x64) -MZXL800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-6.1.x86_64.rpm	MZXLR7T6HALA-000H3	MPK7825Q (F)	MPK7825Q
302	Online NVMe SSD Flash Component for Linux (x64) -MZXL800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-6.1.x86_64.rpm	MZXLR1T6HBJR-000H3	MPK7825Q (F)	MPK7825Q
303	Online NVMe SSD Flash Component for Linux (x64) -MZXL800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3,	firmware-hdd-951aefd63e-MPK7825Q-6.1.x86_64.rpm	MZXLR800HBHQ-000H3	MPK7825Q (F)	MPK7825Q

	MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
304	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7825Q- 6.1.x86_64.rpm	MZXLR3T2HBLS- 000H3	MPK7825Q (F)	MPK7825Q
305	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7825Q- 6.1.x86_64.rpm	MZXLR6T4HALA- 000H3	MPK7825Q (F)	MPK7825Q
306	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7825Q- 6.1.x86_64.rpm	MZXLR1T9HBJR- 000H3	MPK7825Q (F)	MPK7825Q
307	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7825Q- 6.1.x86_64.rpm	MZXLR3T8HBLS- 000H3	MPK7825Q (F)	MPK7825Q
308	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd- 951aefd63e- MPK7825Q- 6.1.x86_64.rpm	MZXLR960HBHQ- 000H3	MPK7825Q (F)	MPK7825Q
309	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XLUL7T68	GPK8 (B)	GPK8

310	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XVUL6T40	GPK8 (B)	GPK8
311	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XVUL1T60	GPK8 (B)	GPK8
312	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XVUL800G	GPK8 (B)	GPK8
313	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XVUL3T20	GPK8 (B)	GPK8
314	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XVUL12T8	GPK8 (B)	GPK8
315	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XLUL960G	GPK8 (B)	GPK8
316	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XLUL1T92	GPK8 (B)	GPK8
317	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XLUL3T84	GPK8 (B)	GPK8
318	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP070925.zip	KCD6XLUL15T3	GPK8 (B)	GPK8
319	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and	CP070930.zip	KCM6FRUL1T92	GPK6 (B)	GPK6

	KCM6FVUL3T20 Drives				
320	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP070930.zip	KCM6FRUL3T84	GPK6 (B)	GPK6
321	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP070930.zip	KCM6FVUL3T20	GPK6 (B)	GPK6
322	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP070930.zip	KCM6FVUL1T60	GPK6 (B)	GPK6
323	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XRUL960G	GPK8 (B)	GPK8
324	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XRUL7T68	GPK8 (B)	GPK8
325	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XRUL1T92	GPK8 (B)	GPK8
326	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XVUL3T20	GPK8 (B)	GPK8
327	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XRUL3T84	GPK8 (B)	GPK8
328	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XVUL800G	GPK8 (B)	GPK8
329	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XVUL6T40	GPK8 (B)	GPK8
330	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP070924.zip	KCM6XVUL1T60	GPK8 (B)	GPK8
331	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3,	CP070917.zip	MZXLR12THALA-000H3	MPK7825Q (C)	MPK7825Q

	MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
332	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	CP070917.zip	MZXLR15THALA-000H3	MPK7825Q (C)	MPK7825Q
333	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	CP070917.zip	MZXLR7T6HALA-000H3	MPK7825Q (C)	MPK7825Q
334	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	CP070917.zip	MZXLR1T6HBJR-000H3	MPK7825Q (C)	MPK7825Q
335	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	CP070917.zip	MZXLR800HBHQ-000H3	MPK7825Q (C)	MPK7825Q
336	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	CP070917.zip	MZXLR3T2HBLS-000H3	MPK7825Q (C)	MPK7825Q
337	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3,	CP070917.zip	MZXLR6T4HALA-000H3	MPK7825Q (C)	MPK7825Q

	MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
338	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	CP070917.zip	MZXLR1T9HBJR- 000H3	MPK7825Q (C)	MPK7825Q
339	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	CP070917.zip	MZXLR3T8HBLS- 000H3	MPK7825Q (C)	MPK7825Q
340	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	CP070917.zip	MZXLR960HBHQ- 000H3	MPK7825Q (C)	MPK7825Q
341	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	VO001920KYDMT	HPK6 (C)	HPK6
342	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	VO003840KYDMV	HPK6 (C)	HPK6
343	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	MO001600KYDMU	HPK6 (C)	HPK6
344	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	MO006400KYDND	HPK6 (C)	HPK6
345	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	CP070921.zip	VO015360KYDNB	HPK6 (C)	HPK6

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
346	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	VO007680KYDNA	HPK6 (C)	HPK6
347	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP070921.zip	MO003200KYDNC	HPK6 (C)	HPK6
348	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XLUL7T68	GPK8 (B)	GPK8
349	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XVUL6T40	GPK8 (B)	GPK8
350	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XVUL1T60	GPK8 (B)	GPK8
351	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XVUL800G	GPK8 (B)	GPK8
352	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XVUL3T20	GPK8 (B)	GPK8
353	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XVUL12T8	GPK8 (B)	GPK8
354	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XLUL960G	GPK8 (B)	GPK8
355	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G,	cp068645.exe	KCD6XLUL1T92	GPK8 (B)	GPK8

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
356	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XLUL3T84	GPK8 (B)	GPK8
357	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp068645.exe	KCD6XLUL15T3	GPK8 (B)	GPK8
358	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp068652.exe	KCM6FRUL1T92	GPK6 (B)	GPK6
359	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp068652.exe	KCM6FRUL3T84	GPK6 (B)	GPK6
360	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp068652.exe	KCM6FVUL3T20	GPK6 (B)	GPK6
361	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp068652.exe	KCM6FVUL1T60	GPK6 (B)	GPK6
362	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XRUL960G	GPK8 (B)	GPK8
363	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XRUL7T68	GPK8 (B)	GPK8
364	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XRUL1T92	GPK8 (B)	GPK8
365	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XVUL3T20	GPK8 (B)	GPK8
366	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XRUL3T84	GPK8 (B)	GPK8
367	Online NVMe SSD Flash Component for	cp068646.exe	KCM6XVUL800G	GPK8 (B)	GPK8

	Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
368	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XVUL6T40	GPK8 (B)	GPK8
369	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp068646.exe	KCM6XVUL1T60	GPK8 (B)	GPK8
370	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	cp068640.exe	MZXLR12THALA-000H3	MPK7825Q (C)	MPK7825Q
371	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	cp068640.exe	MZXLR15THALA-000H3	MPK7825Q (C)	MPK7825Q
372	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	cp068640.exe	MZXLR7T6HALA-000H3	MPK7825Q (C)	MPK7825Q
373	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	cp068640.exe	MZXLR1T6HBJR-000H3	MPK7825Q (C)	MPK7825Q
374	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3,	cp068640.exe	MZXLR800HBHQ-000H3	MPK7825Q (C)	MPK7825Q

	MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive				
375	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ- 000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp068640.exe	MZXLR3T2HBL5- 000H3	MPK7825Q (C)	MPK7825Q
376	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ- 000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp068640.exe	MZXLR6T4HALA- 000H3	MPK7825Q (C)	MPK7825Q
377	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ- 000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp068640.exe	MZXLR1T9HBJR- 000H3	MPK7825Q (C)	MPK7825Q
378	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ- 000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp068640.exe	MZXLR3T8HBL5- 000H3	MPK7825Q (C)	MPK7825Q
379	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ- 000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBL5-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBL5-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp068640.exe	MZXLR960HBHQ- 000H3	MPK7825Q (C)	MPK7825Q
380	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB	cp068641.exe	MO001600KYDMU	HPK6 (C)	HPK6

	Drives				
381	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	MO006400KYDND	HPK6 (C)	HPK6
382	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	VO015360KYDNB	HPK6 (C)	HPK6
383	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	VO007680KYDNA	HPK6 (C)	HPK6
384	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	MO003200KYDNC	HPK6 (C)	HPK6
385	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	VO001920KYDMT	HPK6 (C)	HPK6
386	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp068641.exe	VO003840KYDMV	HPK6 (C)	HPK6
387	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO000800KXPRV	HPK2	HPK2
388	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO001600KXPTR	HPK2	HPK2
389	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO003200KXPTT	HPK2	HPK2
390	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO006400KXPTU	HPK2	HPK2
391	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO000960KXPRU	HPK2	HPK2
392	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO001920KXPTN	HPK2	HPK2

	VO003840KXPTP and VO007680KXPTQ				
393	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO003840KXPTP	HPK2	HPK2
394	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO007680KXPTQ	HPK2	HPK2
395	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO000800KXUJT	HPK2	HPK2
396	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO001600KXUJU	HPK2	HPK2
397	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO003200KXUJV	HPK2	HPK2
398	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO006400KXUKA	HPK2	HPK2
399	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO000960KXUJN	HPK2	HPK2
400	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO001920KXUJP	HPK2	HPK2
401	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO003840KXUJQ	HPK2	HPK2
402	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO007680KXUJR	HPK2	HPK2
403	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO015360KYGZQ	HPK2	HPK2
404	Universal Firmware Package for Drives -	Micron_7500_M7500	MO006400KYDZU	HPK6	HPK6

	MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	ALLHPK6.fwpkg			
405	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	MO003200KYDZT	HPK6	HPK6
406	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	MO001600KYDZR	HPK6	HPK6
407	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	MO000800KYDZK	HPK6	HPK6
408	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	VO007680KYDZP	HPK6	HPK6
409	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	VO003840KYDZN	HPK6	HPK6
410	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	VO001920KYDZL	HPK6	HPK6
411	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	VO000960KYDZH	HPK6	HPK6
412	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_M7500 ALLHPK6.fwpkg	VO001536KYDZQ	HPK6	HPK6
413	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	MO001600KXVYH	HPK4	HPK4
414	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	MO003200KXVZD	HPK4	HPK4
415	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF,	Kioxia_CM7_KACM7A LSHPK4.fwpkg	MO006400KXVZE	HPK4	HPK4

	VO003840KXVZA, VO007680KXVZB and VO015360KXVZC				
416	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	VO001920KXVYF	HPK4	HPK4
417	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	VO003840KXVZA	HPK4	HPK4
418	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	VO007680KXVZB	HPK4	HPK4
419	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK4.fwpkg	VO015360KXVZC	HPK4	HPK4
420	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	VO015360KYFER	HPK2	HPK2
421	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	VO007680KYFEQ	HPK2	HPK2
422	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	VO003840KYFEP	HPK2	HPK2
423	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	VO001920KYFFE	HPK2	HPK2
424	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	MO006400KYFEU	HPK2	HPK2
425	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	MO003200KYFET	HPK2	HPK2
426	Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER	SKHynix_PS10x0_KPS 10x0U3DK2.fwpkg	MO001600KYFFF	HPK2	HPK2
427	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	MO001600KYLEC	HPK1	HPK1
428	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	MO003200KYLHL	HPK1	HPK1

	VO015360KYLHK				
429	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	MO006400KYLHN	HPK1	HPK1
430	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	VO001920KYLEB	HPK1	HPK1
431	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	VO003840KYLHF	HPK1	HPK1
432	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	VO007680KYLHH	HPK1	HPK1
433	Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK	SKHynix_PE10X0_KPE 10x0U3DK1.fwpkg	VO015360KYLHK	HPK1	HPK1
434	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO001600KZYWU	HPK5	HPK5
435	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO003200KZYXB	HPK5	HPK5
436	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO006400KZYXC	HPK5	HPK5
437	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO001920KZYWT	HPK5	HPK5
438	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO003840KZYWV	HPK5	HPK5
439	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO007680KZYXA	HPK5	HPK5
440	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	MO001600YXUJB	HPK4	HPK4
441	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	MO003200YXUJC	HPK4	HPK4
442	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	MO006400YXUJD	HPK4	HPK4
443	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	VO001920YXUHU	HPK4	HPK4

444	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	VO003840YXUHV	HPK4	HPK4
445	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK4.fwpkg	VO007680YXUJA	HPK4	HPK4
446	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	VV015360KYNVH	HPK2	HPK2
447	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	VV007680KYNVF	HPK2	HPK2
448	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	VV003840KYNVE	HPK2	HPK2
449	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	VV001920KYNVB	HPK2	HPK2
450	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	MV006400KYNVD	HPK2	HPK2
451	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	MV003200KYNVC	HPK2	HPK2
452	Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH	SKHynix_PE10X0_KPE 10x0E3SK2.fwpkg	MV001600KYNVA	HPK2	HPK2
453	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV015360LYHDC	HPK3 (B)	HPK3
454	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV006400LYCBB	HPK3 (B)	HPK3
455	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV003200LYCBA	HPK3 (B)	HPK3
456	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV001600LYCBT	HPK3 (B)	HPK3
457	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV001920LYCBR	HPK3 (B)	HPK3

	VV001920LYCBR, VV003840LYCAU and VV007680LYCAV				
458	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV003840LYCAU	HPK3 (B)	HPK3
459	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV007680LYCAV	HPK3 (B)	HPK3
460	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	MV003200KYFFK	HPK4	HPK4
461	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	MV006400KYFFA	HPK4	HPK4
462	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	MV012800KYFFB	HPK4	HPK4
463	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	VV003840KYFFH	HPK4	HPK4
464	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	VV007680KYFFL	HPK4	HPK4
465	Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV	SKHynix_PS10x0_E3S_KPS10x0E3SK4.fwpkg	VV015360KYFEV	HPK4	HPK4
466	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK7.fwpkg	MV003200LXUJK	HPK7	HPK7
467	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK7.fwpkg	MV006400LXUJL	HPK7	HPK7
468	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK7.fwpkg	VV003840LXUJE	HPK7	HPK7
469	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK7.fwpkg	VV007680LXUJF	HPK7	HPK7
470	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK7.fwpkg	VV015360LXUJH	HPK7	HPK7
471	Universal Firmware Package for Drives - MV003200LYJKH, MV006400LYJKB, VV007680LYJKB and VV015360LYXMT	Kioxia_CM7_KACM7A EFHPK4.fwpkg	MV003200LYJKH	HPK4	HPK4
472	Universal Firmware Package for Drives - MV003200LYJKH, MV006400LYJKB, VV007680LYJKB and VV015360LYXMT	Kioxia_CM7_KACM7A EFHPK4.fwpkg	MV006400LYJKB	HPK4	HPK4
473	Universal Firmware Package for Drives - MV003200LYJKH, MV006400LYJKB, VV007680LYJKB and VV015360LYXMT	Kioxia_CM7_KACM7A EFHPK4.fwpkg	VV007680LYJKB	HPK4	HPK4
474	Universal Firmware Package for Drives -	Kioxia_CM7_KACM7A	VV015360LYXMT	HPK4	HPK4

	MV003200LYJKH, MV006400LYJJK, VV007680LYJKF and VV015360LYXMT	EFHPK4.fwpkg			
475	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_GP M9A3SAHPK6.fwpkg	VK000960KYDPT	HPK6	HPK6
476	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_GP M9A3SAHPK6.fwpkg	VK001920KYDPU	HPK6	HPK6
477	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_GP M9A3SAHPK6.fwpkg	VK003840KYDPV	HPK6	HPK6
478	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_GP M9A3SAHPK6.fwpkg	VK007680KYDQA	HPK6	HPK6
479	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO001920KXNZQ	HPS3	HPS3
480	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO003840KXNZR	HPS3	HPS3
481	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO007680KXNZT	HPS3	HPS3
482	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO000800KXNXH	HPS3	HPS3
483	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO001600KXNZV	HPS3	HPS3
484	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO003200KXPAA	HPS3	HPS3
485	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO006400KXPAB	HPS3	HPS3
486	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO000960KXNXD	HPS3	HPS3
487	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_GP M9A3SAHPK4.fwpkg	VR000480KXLXF	HPK4	HPK4
488	Universal Firmware Package for Drives - VR000480KYXPQ, VR000960KYXQA and	SKHynix_PE90X0_KPE 9010IHPK2.fwpkg	VR000480KYXPQ	HPK2	HPK2

	VR001920KYXQB				
489	Universal Firmware Package for Drives - VR000480KYXPQ, VR000960KYXQA and VR001920KYXQB	SKHynix_PE90X0_KPE 9010IHPK2.fwpkg	VR000960KYXQA	HPK2	HPK2
490	Universal Firmware Package for Drives - VR000480KYXPQ, VR000960KYXQA and VR001920KYXQB	SKHynix_PE90X0_KPE 9010IHPK2.fwpkg	VR001920KYXQB	HPK2	HPK2
491	Universal Firmware Package for Drives - VR000960YYXPR	SKHynix_PE90X0_KPE 9010SHPK2.fwpkg	VR000960YYXPR	HPK2	HPK2
492	Universal Firmware Package for Drives - VV001920KYMLU, VV003840KYMME, VV007680KYMMF and VV015360KYMMH	Samsung_PM9D3a_P M9D3AE3K5.fwpkg	VV001920KYMLU	HPK5	HPK5
493	Universal Firmware Package for Drives - VV001920KYMLU, VV003840KYMME, VV007680KYMMF and VV015360KYMMH	Samsung_PM9D3a_P M9D3AE3K5.fwpkg	VV003840KYMME	HPK5	HPK5
494	Universal Firmware Package for Drives - VV001920KYMLU, VV003840KYMME, VV007680KYMMF and VV015360KYMMH	Samsung_PM9D3a_P M9D3AE3K5.fwpkg	VV007680KYMMF	HPK5	HPK5
495	Universal Firmware Package for Drives - VV001920KYMLU, VV003840KYMME, VV007680KYMMF and VV015360KYMMH	Samsung_PM9D3a_P M9D3AE3K5.fwpkg	VV015360KYMMH	HPK5	HPK5
496	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV001920LYDTT	HPK6	HPK6
497	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV003840LYDTU	HPK6	HPK6
498	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV007680LYDTV	HPK6	HPK6
499	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV003840KXNTH	HPK6	HPK6
500	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV007680KXNTN	HPK6	HPK6
501	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV015360KXNTP	HPK6	HPK6
502	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK8.fwpkg	VV003840KXWBF	HPK8	HPK8
503	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK8.fwpkg	VV007680KXWBL	HPK8	HPK8
504	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK8.fwpkg	VV015360KXWBN	HPK8	HPK8
505	Universal Firmware Package for Drives - VV030720KYNYP	Solidigm_P5x30_SP54 308KHPK6.fwpkg	VV030720KYNYP	HPK6	HPK6

6.2.13 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version
No.	Description	Package filename	Device	Package Version	Firmware/Driver version

6.2.14 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
506	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware	firmware-powerpic-1.0.4-5.1.x86_64.rpm	-	1.0.4 (E)	1.0.4
507	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	firmware-stm-gen11-1.2.2-7.1.x86_64.rpm	-	1.2.2 (G)	1.2.2
508	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware	cp069645.exe	-	1.0.4 (D)	1.0.4
509	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	cp069651.exe	-	1.2.2 (D)	1.2.2
510	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware	PICFW-1.0.4-1.fwpkg	-	1.0.4	1.0.4
511	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	STMGen11-1.2.2-1.fwpkg	-	1.2.2 (B)	1.2.2
512	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD9-2.1.x86_64.rpm	EG001200JWJNQ	HPD9 (B)	HPD9
513	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD9-2.1.x86_64.rpm	EG000600JWJNP	HPD9 (B)	HPD9
514	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD9-2.1.x86_64.rpm	EG001200MXJQU	HPD9 (B)	HPD9
515	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD9-2.1.x86_64.rpm	EG000600JXLVV	HPD9 (B)	HPD9
516	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD9-2.1.x86_64.rpm	EG001200JXLWA	HPD9 (B)	HPD9

517	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD6-2.1.x86_64.rpm	EG002400JWJNN	HPD6 (B)	HPD6
518	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD6-2.1.x86_64.rpm	EG001800JWJNL	HPD6 (B)	HPD6
519	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDB-3.1.x86_64.rpm	EG001800JWJNR	HPDB (C)	HPDB
520	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDB-3.1.x86_64.rpm	EG002400JWJNT	HPDB (C)	HPDB
521	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDB-3.1.x86_64.rpm	EG002400MXJQT	HPDB (C)	HPDB
522	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDB-3.1.x86_64.rpm	EG001800JXLWB	HPDB (C)	HPDB
523	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDB-3.1.x86_64.rpm	EG002400JXLWC	HPDB (C)	HPDB
524	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	EO000800PXDCK	HPD5 (B)	HPD5
525	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	MO000800PXDBP	HPD5 (B)	HPD5
526	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	EO000400PXDBQ	HPD5 (B)	HPD5
527	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	EO001600PXDCH	HPD5 (B)	HPD5
528	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH,	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	MO001600PXDCC	HPD5 (B)	HPD5

	MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
529	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	MO006400PXDCE	HPD5 (B)	HPD5
530	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	VO007680PXDBU	HPD5 (B)	HPD5
531	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	VO001920PXDBR	HPD5 (B)	HPD5
532	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	MO003200PXDCD	HPD5 (B)	HPD5
533	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	VO015300PXDBV	HPD5 (B)	HPD5
534	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	VO000960PXDBN	HPD5 (B)	HPD5
535	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD5-2.1.x86_64.rpm	VO003840PXDBT	HPD5 (B)	HPD5
536	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD6-2.1.x86_64.rpm	MB004000JYDPB	HPD6 (B)	HPD6
537	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and	firmware-hdd-d4be2aecbb-HPD6-	MB002000JYDNE	HPD6 (B)	HPD6

	MB004000JYDPB Drives	2.1.x86_64.rpm			
538	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-8.1.x86_64.rpm	MB004000JWWQB	HPD8 (H)	HPD8
539	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-8.1.x86_64.rpm	MB002000JWWQA	HPD8 (H)	HPD8
540	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD5-2.1.x86_64.rpm	MB006000JYDNF	HPD5 (B)	HPD5
541	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD5-2.1.x86_64.rpm	MB008000JYDPC	HPD5 (B)	HPD5
542	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD5-2.1.x86_64.rpm	MB010000JYDNH	HPD5 (B)	HPD5
543	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-8.1.x86_64.rpm	MB006000JWWQN	HPD8 (H)	HPD8
544	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-8.1.x86_64.rpm	MB008000JWWQP	HPD8 (H)	HPD8
545	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-7.1.x86_64.rpm	MB010000JWZHA	HPD4 (G)	HPD4
546	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-7.1.x86_64.rpm	MB016000JWZHE	HPD4 (G)	HPD4
547	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-7.1.x86_64.rpm	MB014000JWZHC	HPD4 (G)	HPD4
548	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-7.1.x86_64.rpm	MB012000JWZHB	HPD4 (G)	HPD4
549	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD6-3.1.x86_64.rpm	MB010000JYDKK	HPD6 (C)	HPD6
550	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD6-3.1.x86_64.rpm	MB012000JYCJF	HPD6 (C)	HPD6
551	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD6-3.1.x86_64.rpm	MB014000JYCJV	HPD6 (C)	HPD6
552	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD6-3.1.x86_64.rpm	MB016000JYDKL	HPD6 (C)	HPD6
553	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD6-3.1.x86_64.rpm	MB018000JYDKN	HPD6 (C)	HPD6

554	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-5.1.x86_64.rpm	MB012000JZYVN	HPD4 (E)	HPD4
555	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-5.1.x86_64.rpm	MB014000JZYVP	HPD4 (E)	HPD4
556	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-5.1.x86_64.rpm	MB016000JZYVQ	HPD4 (E)	HPD4
557	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-5.1.x86_64.rpm	MB018000JYCLK	HPD4 (E)	HPD4
558	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-6.1.x86_64.rpm	MB014000JXUCC	HPD4 (F)	HPD4
559	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDC-3.1.x86_64.rpm	MB016000JWXKH	HPDC (C)	HPDC
560	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-6.1.x86_64.rpm	MB016000JXLBA	HPD3 (F)	HPD3
561	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-6.1.x86_64.rpm	MB018000JXLAU	HPD3 (F)	HPD3
562	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-3.1.x86_64.rpm	MB020000JXMTP	HPD3 (C)	HPD3
563	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-3.1.x86_64.rpm	MB018000JXMTH	HPD3 (C)	HPD3
564	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-7.1.x86_64.rpm	MM1000JEFRB	HPDA (G)	HPDA
565	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-7.1.x86_64.rpm	MM2000JEFRC	HPDA (G)	HPDA
566	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-7.1.x86_64.rpm	MM1000JFJTH	HPD5 (G)	HPD5
567	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO007680RWUFC	HPD8 (E)	HPD8
568	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO003840RWUFF	HPD8 (E)	HPD8
569	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO003840RWUFB	HPD8 (E)	HPD8
570	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO001920RWUFE	HPD8 (E)	HPD8

	VO003840RWUFF Drives				
571	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO001920RWUFA	HPD8 (E)	HPD8
572	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO000960RWUFD	HPD8 (E)	HPD8
573	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-5.1.x86_64.rpm	VO000960RWUEV	HPD8 (E)	HPD8
574	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP070932.zip	EG001200JWJNQ	HPD9 (B)	HPD9
575	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP070932.zip	EG000600JWJNP	HPD9 (B)	HPD9
576	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP070932.zip	EG001200MXJQU	HPD9 (B)	HPD9
577	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP070932.zip	EG000600JXLVV	HPD9 (B)	HPD9
578	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP070932.zip	EG001200JXLWA	HPD9 (B)	HPD9
579	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP070937.zip	EG002400JWJNN	HPD6 (B)	HPD6
580	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP070937.zip	EG001800JWJNL	HPD6 (B)	HPD6
581	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP070933.zip	EG001800JWJNR	HPDB (C)	HPDB
582	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP070933.zip	EG002400JWJNT	HPDB (C)	HPDB
583	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP070933.zip	EG002400MXJQT	HPDB (C)	HPDB
584	Online HDD/SSD Flash Component for	CP070933.zip	EG001800JXLWB	HPDB (C)	HPDB

	VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives				
585	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP070933.zip	EG002400JXLWC	HPDB (C)	HPDB
586	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	EO000800PXDCK	HPD5 (B)	HPD5
587	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	MO000800PXDBP	HPD5 (B)	HPD5
588	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	EO000400PXDBQ	HPD5 (B)	HPD5
589	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	EO001600PXDCH	HPD5 (B)	HPD5
590	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	MO001600PXDCC	HPD5 (B)	HPD5
591	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	MO006400PXDCE	HPD5 (B)	HPD5
592	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP070928.zip	VO007680PXDDBU	HPD5 (B)	HPD5
593	Online HDD/SSD Flash Component for	CP070928.zip	VO001920PXDDBR	HPD5 (B)	HPD5

	VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDUBU and VO015300PXDBV Drives				
594	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDUBU and VO015300PXDBV Drives	CP070928.zip	VO015300PXDBV	HPD5 (B)	HPD5
595	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDUBU and VO015300PXDBV Drives	CP070928.zip	MO003200PXDCD	HPD5 (B)	HPD5
596	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDUBU and VO015300PXDBV Drives	CP070928.zip	VO000960PXDBN	HPD5 (B)	HPD5
597	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDUBU and VO015300PXDBV Drives	CP070928.zip	VO003840PXDBT	HPD5 (B)	HPD5
598	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP070976.zip	MB004000JYDPB	HPD6 (B)	HPD6
599	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP070976.zip	MB002000JYDNE	HPD6 (B)	HPD6
600	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP070946.zip	MB004000JWWQB	HPD8 (D)	HPD8
601	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP070946.zip	MB002000JWWQA	HPD8 (D)	HPD8
602	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP070977.zip	MB006000JYDNF	HPD5 (B)	HPD5
603	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP070977.zip	MB008000JYDPC	HPD5 (B)	HPD5
604	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP070977.zip	MB010000JYDNH	HPD5 (B)	HPD5
605	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP070945.zip	MB006000JWWQN	HPD8 (D)	HPD8

606	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP070945.zip	MB008000JWWQP	HPD8 (D)	HPD8
607	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP070981.zip	MB010000JWZHA	HPD4 (D)	HPD4
608	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP070981.zip	MB012000JWZHB	HPD4 (D)	HPD4
609	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP070981.zip	MB016000JWZHE	HPD4 (D)	HPD4
610	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP070981.zip	MB014000JWZHC	HPD4 (D)	HPD4
611	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP070974.zip	MB010000JYDKK	HPD6 (B)	HPD6
612	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP070974.zip	MB012000JYCJF	HPD6 (B)	HPD6
613	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP070974.zip	MB014000JYCJV	HPD6 (B)	HPD6
614	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP070974.zip	MB016000JYDKL	HPD6 (B)	HPD6
615	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP070974.zip	MB018000JYDKN	HPD6 (B)	HPD6
616	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP070931.zip	MB012000JZYVN	HPD4 (D)	HPD4
617	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP070931.zip	MB014000JZYVP	HPD4 (D)	HPD4
618	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP070931.zip	MB016000JZYVQ	HPD4 (D)	HPD4
619	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP070931.zip	MB018000JYCLK	HPD4 (D)	HPD4
620	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP070962.zip	MB014000JXUCC	HPD4 (D)	HPD4
621	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP070951.zip	MB016000JWXKH	HPDC (C)	HPDC
622	Online HDD/SSD Flash Component for VMware ESXi - MB016000JLBA and	CP070963.zip	MB016000JLBA	HPD3 (D)	HPD3

	MB018000JXLAU Drives				
623	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP070963.zip	MB018000JXLAU	HPD3 (D)	HPD3
624	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP070973.zip	MB018000JXMTH	HPD3 (C)	HPD3
625	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP070973.zip	MB020000JXMTP	HPD3 (C)	HPD3
626	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP070941.zip	MM1000JEFRB	HPDA (F)	HPDA
627	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP070941.zip	MM2000JEFRC	HPDA (F)	HPDA
628	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP070942.zip	MM1000JFJTH	HPD5 (F)	HPD5
629	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO007680RWUFC	HPD8 (D)	HPD8
630	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO003840RWUFF	HPD8 (D)	HPD8
631	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO003840RWUFB	HPD8 (D)	HPD8
632	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO001920RWUFE	HPD8 (D)	HPD8
633	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO001920RWUFA	HPD8 (D)	HPD8
634	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO000960RWUFD	HPD8 (D)	HPD8
635	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP070927.zip	VO000960RWUEV	HPD8 (D)	HPD8
636	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp068653.exe	EG001200MXJQU	HPD9 (B)	HPD9
637	Online HDD/SSD Flash Component for	cp068653.exe	EG000600JXLVV	HPD9 (B)	HPD9

	Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives				
638	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp068653.exe	EG001200JXLWA	HPD9 (B)	HPD9
639	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp068653.exe	EG000600JWJNP	HPD9 (B)	HPD9
640	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp068653.exe	EG001200JWJNQ	HPD9 (B)	HPD9
641	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp068764.exe	EG002400JWJNN	HPD6 (B)	HPD6
642	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp068764.exe	EG001800JWJNL	HPD6 (B)	HPD6
643	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp068655.exe	EG001800JWJNR	HPDB (C)	HPDB
644	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp068655.exe	EG002400JWJNT	HPDB (C)	HPDB
645	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp068655.exe	EG002400MXJQT	HPDB (C)	HPDB
646	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp068655.exe	EG001800JXLWB	HPDB (C)	HPDB
647	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp068655.exe	EG002400JXLWC	HPDB (C)	HPDB
648	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCE, VO003840PXDCE, VO007680PXDCE and VO015300PXDCE Drives	cp068650.exe	EO000800PXDCK	HPD5 (B)	HPD5
649	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCE, VO003840PXDCE, VO007680PXDCE and VO015300PXDCE Drives	cp068650.exe	MO000800PXDBP	HPD5 (B)	HPD5

650	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	EO000400PXDBQ	HPD5 (B)	HPD5
651	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	EO001600PXDCH	HPD5 (B)	HPD5
652	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	MO001600PXDCC	HPD5 (B)	HPD5
653	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	MO006400PXDCE	HPD5 (B)	HPD5
654	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	VO007680PXDCH	HPD5 (B)	HPD5
655	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	VO001920PXDCH	HPD5 (B)	HPD5
656	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	VO015300PXDCH	HPD5 (B)	HPD5
657	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	MO003200PXDCE	HPD5 (B)	HPD5
658	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp068650.exe	VO000960PXDBN	HPD5 (B)	HPD5

	EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
659	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp068650.exe	VO003840PXDBT	HPD5 (B)	HPD5
660	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp068736.exe	MB004000JYDPB	HPD6 (B)	HPD6
661	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp068736.exe	MB002000JYDNE	HPD6 (B)	HPD6
662	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp068732.exe	MB004000JWWQB	HPD8 (E)	HPD8
663	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp068732.exe	MB002000JWWQA	HPD8 (E)	HPD8
664	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp068735.exe	MB006000JYDNF	HPD5 (B)	HPD5
665	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp068735.exe	MB008000JYDPC	HPD5 (B)	HPD5
666	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp068735.exe	MB010000JYDNH	HPD5 (B)	HPD5
667	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp068731.exe	MB006000JWWQN	HPD8 (E)	HPD8
668	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp068731.exe	MB008000JWWQP	HPD8 (E)	HPD8
669	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp068734.exe	MB010000JWZHA	HPD4 (E)	HPD4
670	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp068734.exe	MB012000JWZHB	HPD4 (E)	HPD4
671	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp068734.exe	MB014000JWZHC	HPD4 (E)	HPD4
672	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp068734.exe	MB016000JWZHE	HPD4 (E)	HPD4
673	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp068738.exe	MB010000JYDKK	HPD6 (B)	HPD6
674	Online HDD/SSD Flash Component for	cp068738.exe	MB012000JYCJF	HPD6 (B)	HPD6

	Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives				
675	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp068738.exe	MB014000JYCJV	HPD6 (B)	HPD6
676	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp068738.exe	MB016000JYDKL	HPD6 (B)	HPD6
677	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp068738.exe	MB018000JYDKN	HPD6 (B)	HPD6
678	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp068765.exe	MB012000JZYVN	HPD4 (D)	HPD4
679	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp068765.exe	MB014000JZYVP	HPD4 (D)	HPD4
680	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp068765.exe	MB016000JZVQ	HPD4 (D)	HPD4
681	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp068765.exe	MB018000JYCLK	HPD4 (D)	HPD4
682	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp068750.exe	MB014000JXUCC	HPD4 (D)	HPD4
683	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXXH Drive	cp068758.exe	MB016000JWXXH	HPDC (C)	HPDC
684	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp068749.exe	MB016000JXLBA	HPD3 (D)	HPD3
685	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp068749.exe	MB018000JXLAU	HPD3 (D)	HPD3
686	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp068739.exe	MB020000JXMTP	HPD3 (C)	HPD3
687	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp068739.exe	MB018000JXMTH	HPD3 (C)	HPD3
688	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp068662.exe	MM1000JEFRB	HPDA (F)	HPDA
689	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp068662.exe	MM2000JEFRC	HPDA (F)	HPDA
690	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp068663.exe	MM1000JFJTH	HPD5 (F)	HPD5
691	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO007680RWUFC	HPD8 (D)	HPD8

692	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO003840RWUFF	HPD8 (D)	HPD8
693	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO003840RWUFB	HPD8 (D)	HPD8
694	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO001920RWUFE	HPD8 (D)	HPD8
695	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO001920RWUFA	HPD8 (D)	HPD8
696	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO000960RWUFD	HPD8 (D)	HPD8
697	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp068647.exe	VO000960RWUEV	HPD8 (D)	HPD8
698	Universal Firmware Package for Drives - MB004000JWZVU	Toshiba_MG08Air_TA MG08SDAnD3.fwpkg	MB004000JWZVU	HPD3 (B)	HPD3
699	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB006000JWZVQ	HPD3 (B)	HPD3
700	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB008000JWZVR	HPD3 (B)	HPD3
701	Universal Firmware Package for Drives - MB020000JXMOVU	WDC_ParisD_Wparisd ASFD1.fwpkg	MB020000JXMOVU	HPD1 (B)	HPD1
702	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND3.fwpkg	MB12000JYESN	HPD3	HPD3
703	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND3.fwpkg	MB16000JYEVC	HPD3	HPD3
704	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND3.fwpkg	MB20000JYEVD	HPD3	HPD3
705	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SU MMITSUSSD3.fwpkg	MB24000JYEVE	HPD3	HPD3
706	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO000960RXKRC	HPD5 (B)	HPD5
707	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO001920RXKRH	HPD5 (B)	HPD5
708	Universal Firmware Package for Drives -	Seagate_LangeBP_SL	MO003840RXKRC	HPD5 (B)	HPD5

	MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	NGBPHPESD5.fwpkg			
709	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO000960RXKRB	HPD5 (B)	HPD5
710	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO001920RXKRD	HPD5 (B)	HPD5
711	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRC, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO003840RXKRE	HPD5 (B)	HPD5
712	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO000960RXRQK	HPD4 (B)	HPD4
713	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO001920RXRRH	HPD4 (B)	HPD4
714	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO003840RXRRK	HPD4 (B)	HPD4
715	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO000960RXRQL	HPD4 (B)	HPD4
716	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO001920RXRRL	HPD4 (B)	HPD4
717	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO003840RXRRN	HPD4 (B)	HPD4
718	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO007680RYEWD	HPD4 (B)	HPD4
719	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	VO015360PXMTU	HPD4	HPD4
720	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	VO007680PXMTT	HPD4	HPD4
721	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	VO003840PXMTR	HPD4	HPD4
722	Universal Firmware Package for Drives -	Kioxia_PM7_KAPM7A	VO001920PXMTL	HPD4	HPD4

	MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	LSHPD4.fwpkg			
723	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	MO006400PXMUA	HPD4	HPD4
724	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	MO003200PXMTV	HPD4	HPD4
725	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD4.fwpkg	MO001600PXMTN	HPD4	HPD4
726	Universal Firmware Package for Drives - MO001600PXVRU, VO003840PXVRR and VO007680PXVRT	Kioxia_PM7_KAPM7A LFHPD3.fwpkg	VO007680PXVRT	HPD3	HPD3
727	Universal Firmware Package for Drives - MO001600PXVRU, VO003840PXVRR and VO007680PXVRT	Kioxia_PM7_KAPM7A LFHPD3.fwpkg	VO003840PXVRR	HPD3	HPD3
728	Universal Firmware Package for Drives - MO001600PXVRU, VO003840PXVRR and VO007680PXVRT	Kioxia_PM7_KAPM7A LFHPD3.fwpkg	MO001600PXVRU	HPD3	HPD3
729	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD4.fwpkg	MO001600PZWSH	HPD4	HPD4
730	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD4.fwpkg	MO003200PZWSK	HPD4	HPD4
731	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD4.fwpkg	MO000800PZWSF	HPD4	HPD4
732	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD4.fwpkg	MO006400PZXFA	HPD4	HPD4
733	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD4.fwpkg	VO000960PZWSL	HPD4	HPD4
734	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD4.fwpkg	VO001920PZWSN	HPD4	HPD4
735	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD4.fwpkg	VO003840PZWSP	HPD4	HPD4
736	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD4.fwpkg	VO007680PZXFB	HPD4	HPD4
737	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD4.fwpkg	VO015360PZXEU	HPD4	HPD4
738	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ,	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZWUP	HPD1 (B)	HPD1

	VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU				
--	--	--	--	--	--

6.2.15 Firmware – SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
739	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZWUQ	HPD1 (B)	HPD1
740	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUR	HPD1 (B)	HPD1
741	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUV	HPD1 (B)	HPD1
742	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWUT	HPD1 (B)	HPD1
743	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWVA	HPD1 (B)	HPD1
744	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO007680RZWUU	HPD1 (B)	HPD1
745	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-15.1.x86_64.rpm	MB004000GWFWB	HPG1 (O)	HPG1
746	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-15.1.x86_64.rpm	MB002000GWFWA	HPG1 (O)	HPG1
747	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-15.1.x86_64.rpm	MB001000GWJAN	HPG1 (O)	HPG1
748	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-14.1.x86_64.rpm	MB004000GWKGV	HPG1 (N)	HPG1
749	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-14.1.x86_64.rpm	MB006000GWKGR	HPG1 (N)	HPG1
750	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG3-2.1.x86_64.rpm	MB010000GYDKP	HPG3 (B)	HPG3
751	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG3-2.1.x86_64.rpm	MB016000GYDKQ	HPG3 (B)	HPG3

752	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG3-2.1.x86_64.rpm	MB018000GYDKR	HPG3 (B)	HPG3
753	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG3-2.1.x86_64.rpm	MB012000GYCJL	HPG3 (B)	HPG3
754	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG3-2.1.x86_64.rpm	MB014000GYCJT	HPG3 (B)	HPG3
755	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYYV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-5.1.x86_64.rpm	MB012000GZYVT	HPG4 (E)	HPG4
756	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYYV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-5.1.x86_64.rpm	MB014000GZYVU	HPG4 (E)	HPG4
757	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYYV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-5.1.x86_64.rpm	MB016000GZYYV	HPG4 (E)	HPG4
758	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYYV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-5.1.x86_64.rpm	MB018000GYCLL	HPG4 (E)	HPG4
759	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG5-1.1.x86_64.rpm	MB016000GWXKK	HPG5	HPG5
760	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-3.1.x86_64.rpm	MB020000GXMTQ	HPG3 (C)	HPG3
761	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-3.1.x86_64.rpm	MB018000GXMTK	HPG3 (C)	HPG3
762	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-6.1.x86_64.rpm	MK003840GWXFL	HPG3 (F)	HPG3
763	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-6.1.x86_64.rpm	MK001920GWXFK	HPG3 (F)	HPG3
764	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-6.1.x86_64.rpm	MK000960GWXFF	HPG3 (F)	HPG3
765	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-6.1.x86_64.rpm	MK000480GWXFF	HPG3 (F)	HPG3
766	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-6.1.x86_64.rpm	MK000480GZXRA	HPG1 (F)	HPG1
767	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-6.1.x86_64.rpm	MK001920GZXRC	HPG1 (F)	HPG1
768	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA,	firmware-hdd-9475583fb5-HPG1-	MK000960GZXRB	HPG1 (F)	HPG1

	MK000960GZXR, MK001920GZXR and MK003840GZXR Drives	6.1.x86_64.rpm			
769	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXA, MK000960GZXR, MK001920GZXR and MK003840GZXR Drives	firmware-hdd-9475583fb5-HPG1-6.1.x86_64.rpm	MK003840GZXR	HPG1 (F)	HPG1
770	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJE Drive	firmware-hdd-95af9a555e-HPG6-7.1.x86_64.rpm	MM1000GFJE	HPG6 (G)	HPG6
771	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-7.1.x86_64.rpm	MM2000GEFRA	HPG9 (G)	HPG9
772	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	VK003840GWTTD	HPG7 (F)	HPG7
773	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	MK003840GWTTT	HPG7 (F)	HPG7
774	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	VK001920GWTTT	HPG7 (F)	HPG7
775	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	MK001920GWTTT	HPG7 (F)	HPG7
776	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	VK000960GWTTB	HPG7 (F)	HPG7
777	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	MK000960GWTTK	HPG7 (F)	HPG7
778	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	VK000480GWTTA	HPG7 (F)	HPG7
779	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK,	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	MK000480GWTTT	HPG7 (F)	HPG7

	MK001920GWTTL and MK003840GWTTN Drives				
780	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-6.1.x86_64.rpm	VK000240GWTSV	HPG7 (F)	HPG7
781	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK001920GZXQV	HPG1 (F)	HPG1
782	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK003840GZXRH	HPG1 (F)	HPG1
783	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK007680GZXRT	HPG1 (F)	HPG1
784	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK000960GZXQU	HPG1 (F)	HPG1
785	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK000480GZXRF	HPG1 (F)	HPG1
786	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-6.1.x86_64.rpm	VK000240GZXRU	HPG1 (F)	HPG1
787	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-6.1.x86_64.rpm	VK000480GZCNE	HPG3 (F)	HPG3
788	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-6.1.x86_64.rpm	VK000960GZCNF	HPG3 (F)	HPG3
789	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-6.1.x86_64.rpm	VK001920GZCNH	HPG3 (F)	HPG3
790	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-6.1.x86_64.rpm	VK003840GZCNK	HPG3 (F)	HPG3
791	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP070958.zip	MB004000GWFWB	HPG1 (L)	HPG1
792	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP070958.zip	MB002000GWFWA	HPG1 (L)	HPG1
793	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and	CP070958.zip	MB001000GWJAN	HPG1 (L)	HPG1

	MB004000GWFWB Drives				
794	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP070969.zip	MB004000GWKGV	HPG1 (L)	HPG1
795	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP070968.zip	MB006000GWKGR	HPG1 (L)	HPG1
796	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP070975.zip	MB010000GYDKP	HPG3 (B)	HPG3
797	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP070975.zip	MB016000GYDKQ	HPG3 (B)	HPG3
798	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP070975.zip	MB018000GYDKR	HPG3 (B)	HPG3
799	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP070975.zip	MB012000GYCJL	HPG3 (B)	HPG3
800	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP070975.zip	MB014000GYCJT	HPG3 (B)	HPG3
801	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP070915.zip	MB012000GZYVT	HPG4 (D)	HPG4
802	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP070915.zip	MB014000GZYVU	HPG4 (D)	HPG4
803	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP070915.zip	MB016000GZYVV	HPG4 (D)	HPG4
804	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP070915.zip	MB018000GYCLL	HPG4 (D)	HPG4
805	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP070950.zip	MB016000GWXKK	HPG5 (B)	HPG5
806	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP070972.zip	MB020000GXMTQ	HPG3 (C)	HPG3
807	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP070972.zip	MB018000GXMTK	HPG3 (C)	HPG3
808	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP070906.zip	MK003840GWXFL	HPG3 (D)	HPG3
809	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP070906.zip	MK001920GWXFK	HPG3 (D)	HPG3
810	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP070906.zip	MK000960GWXFF	HPG3 (D)	HPG3

811	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP070906.zip	MK000480GWXFF	HPG3 (D)	HPG3
812	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP070923.zip	MK000480GZXRA	HPG1 (D)	HPG1
813	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP070923.zip	MK001920GZXRC	HPG1 (D)	HPG1
814	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP070923.zip	MK000960GZXRB	HPG1 (D)	HPG1
815	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP070923.zip	MK003840GZXRV	HPG1 (D)	HPG1
816	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP070940.zip	MM1000GFJTE	HPG6 (F)	HPG6
817	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP070939.zip	MM2000GEFRA	HPG9 (F)	HPG9
818	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	VK003840GWTTD	HPG7 (E)	HPG7
819	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	MK003840GWTTN	HPG7 (E)	HPG7
820	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	VK001920GWTTT	HPG7 (E)	HPG7
821	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	MK001920GWTTT	HPG7 (E)	HPG7
822	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	VK000960GWTTB	HPG7 (E)	HPG7
823	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	CP070835.zip	MK000960GWTTK	HPG7 (E)	HPG7

824	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	CP070835.zip	VK000480GWTTA	HPG7 (E)	HPG7
825	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	CP070835.zip	MK000480GW TTH	HPG7 (E)	HPG7
826	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	CP070835.zip	VK000240GWTSV	HPG7 (E)	HPG7
827	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK001920GZXQV	HPG1 (D)	HPG1
828	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK003840GZXRH	HPG1 (D)	HPG1
829	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK007680GZXRT	HPG1 (D)	HPG1
830	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK000960GZXQU	HPG1 (D)	HPG1
831	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK000480GZXRF	HPG1 (D)	HPG1
832	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP070922.zip	VK000240GZXRU	HPG1 (D)	HPG1
833	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP070909.zip	VK000480GZCNE	HPG3 (D)	HPG3
834	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP070909.zip	VK000960GZCNF	HPG3 (D)	HPG3
835	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP070909.zip	VK001920GZCNH	HPG3 (D)	HPG3
836	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and	CP070909.zip	VK003840GZCNK	HPG3 (D)	HPG3

	VK003840GZCNK Drives				
837	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp068754.exe	MB004000GWFWB	HPG1 (K)	HPG1
838	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp068754.exe	MB002000GWFWA	HPG1 (K)	HPG1
839	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp068754.exe	MB001000GWJAN	HPG1 (K)	HPG1
840	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp068743.exe	MB004000GWKGV	HPG1 (K)	HPG1
841	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp068744.exe	MB006000GWKGR	HPG1 (K)	HPG1
842	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp068737.exe	MB010000GYDKP	HPG3 (B)	HPG3
843	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp068737.exe	MB016000GYDKQ	HPG3 (B)	HPG3
844	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp068737.exe	MB018000GYDKR	HPG3 (B)	HPG3
845	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp068737.exe	MB012000GYCJL	HPG3 (B)	HPG3
846	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp068737.exe	MB014000GYCJT	HPG3 (B)	HPG3
847	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp068766.exe	MB012000GZYVT	HPG4 (D)	HPG4
848	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp068766.exe	MB014000GZYVU	HPG4 (D)	HPG4
849	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp068766.exe	MB016000GZYVV	HPG4 (D)	HPG4
850	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp068766.exe	MB018000GYCLL	HPG4 (D)	HPG4
851	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp068770.exe	MB016000GWXKK	HPG5	HPG5
852	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTQ and MB020000GXMTQ Drives	cp068740.exe	MB020000GXMTQ	HPG3 (C)	HPG3

853	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp068740.exe	MB018000GXMTK	HPG3 (C)	HPG3
854	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	cp068637.exe	MK003840GWXFL	HPG3 (D)	HPG3
855	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	cp068637.exe	MK001920GWXFK	HPG3 (D)	HPG3
856	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	cp068637.exe	MK000960GWXFFH	HPG3 (D)	HPG3
857	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFFH, MK001920GWXFK and MK003840GWXFL Drives	cp068637.exe	MK000480GWXFF	HPG3 (D)	HPG3
858	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp068642.exe	MK000480GZXRA	HPG1 (D)	HPG1
859	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp068642.exe	MK001920GZXRC	HPG1 (D)	HPG1
860	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp068642.exe	MK000960GZXRB	HPG1 (D)	HPG1
861	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp068642.exe	MK003840GZXRV	HPG1 (D)	HPG1
862	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp068661.exe	MM1000GFJTE	HPG6 (E)	HPG6
863	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp068660.exe	MM2000GEFRA	HPG9 (E)	HPG9
864	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp068622.exe	VK003840GWTTD	HPG7 (E)	HPG7
865	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp068622.exe	MK003840GWTTN	HPG7 (E)	HPG7
866	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp068622.exe	VK001920GWTTT	HPG7 (E)	HPG7
867	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and	cp068622.exe	MK001920GWTTT	HPG7 (E)	HPG7

	MK003840GWTTN Drives				
868	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GWTTN Drives	cp068622.exe	VK000960GWTTB	HPG7 (E)	HPG7
869	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GWTTN Drives	cp068622.exe	MK000960GWTTK	HPG7 (E)	HPG7
870	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GWTTN Drives	cp068622.exe	VK000480GWTTA	HPG7 (E)	HPG7
871	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GWTTN Drives	cp068622.exe	MK000480GW TTH	HPG7 (E)	HPG7
872	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GWTTN Drives	cp068622.exe	VK000240GWTSV	HPG7 (E)	HPG7
873	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK001920GZXQV	HPG1 (D)	HPG1
874	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK003840GZXRH	HPG1 (D)	HPG1
875	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK007680GZXRT	HPG1 (D)	HPG1
876	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK000960GZXQU	HPG1 (D)	HPG1
877	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK000480GZXRF	HPG1 (D)	HPG1
878	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp068643.exe	VK000240GZXRU	HPG1 (D)	HPG1

879	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp068634.exe	VK000480GZCNE	HPG3 (D)	HPG3
880	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp068634.exe	VK000960GZCNF	HPG3 (D)	HPG3
881	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp068634.exe	VK001920GZCNH	HPG3 (D)	HPG3
882	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp068634.exe	VK003840GZCNK	HPG3 (D)	HPG3
883	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG4.fwpkg	MB002000GYDNK	HPG4	HPG4
884	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG4.fwpkg	MB004000GYDPD	HPG4	HPG4
885	Universal Firmware Package for Drives - MB004000GWZVT	Toshiba_MG08Air_TA MG08ADAnG3.fwpkg	MB004000GWZVT	HPG3	HPG3
886	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB006000GWZVL	HPG3	HPG3
887	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB008000GWZVN	HPG3	HPG3
888	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG4.fwpkg	MB006000GYDNL	HPG4	HPG4
889	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG4.fwpkg	MB008000GYDPE	HPG4	HPG4
890	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG4.fwpkg	MB010000GYDNN	HPG4	HPG4
891	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_SummitAN_S UMMITSUANG3.fwpkg	MB12000GYESP	HPG3	HPG3
892	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_SummitAN_S UMMITSUANG3.fwpkg	MB16000GYEVF	HPG3	HPG3
893	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_SummitAN_S UMMITSUANG3.fwpkg	MB20000GYEVH	HPG3	HPG3
894	Universal Firmware Package for Drives - MB24000GYEVK	Seagate_SummitAS_S UMMITSUASG3.fwpkg	MB24000GYEVK	HPG3	HPG3
895	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	MK000480GXNXB	HPG1	HPG1
896	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF,	Micron_5400_M5400 ALLHPG1.fwpkg	MK000960GXNZK	HPG1	HPG1

	MK000960SXNXC and MK001920SXNZP				
897	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	MK001920GXNZL	HPG1	HPG1
898	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	MK003840GXNZN	HPG1	HPG1
899	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK000240GXNWU	HPG1	HPG1
900	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK000480GXNZA	HPG1	HPG1
901	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK000960GXNZB	HPG1	HPG1
902	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK001920GXNZC	HPG1	HPG1
903	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK003840GXNZD	HPG1	HPG1
904	Universal Firmware Package for Drives - MK000480GXNKB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	MK000960SXNXC	HPG1	HPG1
905	Universal Firmware Package for Drives -	Micron_5400_M5400	MK001920SXNZP	HPG1	HPG1

	MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	ALLHPG1.fwpkg			
906	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK001920SXNZF	HPG1	HPG1
907	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK000480SXNWV	HPG1	HPG1
908	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VK007680GXNZE	HPG1	HPG1
909	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VR000240GXNXA	HPG1	HPG1
910	Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP	Micron_5400_M5400 ALLHPG1.fwpkg	VR000480GXNZH	HPG1	HPG1
911	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK000480GYCNT	HPG4	HPG4
912	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK000960GYCNP	HPG4	HPG4
913	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840	Solidigm_S4X20_4IYY HPG4.fwpkg	MK001920GYCNF	HPG4	HPG4

	GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU				
914	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK003840GYCNQ	HPG4	HPG4
915	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000240GYCNU	HPG4	HPG4
916	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000480GYCNH	HPG4	HPG4

6.2.16 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
917	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000960GYCNK	HPG4	HPG4
918	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK001920GYCNL	HPG4	HPG4
919	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK003840GYCNN	HPG4	HPG4
920	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK007680GYCNE	HPG4	HPG4
921	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000240GXPQT	HPG4	HPG4
922	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000480GXPQU	HPG4	HPG4

	00240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU				
923	Firmware Package - HPE Gen12 Boot Controller NS204i-u, HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_1.2.14.1026_A.fwpkg	HPE NS204i-u Boot Controller	1.2.14.1026	1.2.14.1026
924	Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller	HPE_MR216i-o_Gen11_52.36.3-6584_A.fwpkg	HPE_MR216i-o_Gen11	52.36.3-6584	52.36.3-6584
925	Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller	HPE_MR216i-p_Gen11_52.36.3-6584_A.fwpkg	HPE_MR216i-p_Gen11	52.36.3-6584	52.36.3-6584

6.2.17 Firmware – Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
926	Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller	HPE_MR408i-o_Gen11_52.36.3-6584_A.fwpkg	HPE_MR408i-o_Gen11	52.36.3-6584	52.36.3-6584
927	Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller	HPE_MR408i-p_Gen11_52.36.3-6584_A.fwpkg	HPE_MR408i-p_Gen11	52.36.3-6584	52.36.3-6584
928	Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller	HPE_MR416i-o_Gen11_52.36.3-6584_A.fwpkg	HPE_MR416i-o_Gen11	52.36.3-6584	52.36.3-6584
929	Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller	HPE_MR416i-p_Gen11_52.36.3-6584_A.fwpkg	HPE_MR416i-p_Gen11	52.36.3-6584	52.36.3-6584
930	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416i-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.44.040_A.fwpkg	HPE SR932i-p Gen11	03.01.44.040	03.01.44.040
931	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416i-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_8.00_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	8.00	8.00
932	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.731.10.header.pldm.fwpkg	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.731.10	14.4.731.10
933	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.731.10.header.pldm.fwpkg	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.731.10	14.4.731.10

6.2.18 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
934	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.731.10.header.pldm.fwpkg	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.731.10	14.4.731.10
935	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.731.10.header.pldm.fwpkg	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.731.10	14.4.731.10
936	HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021101.upd_header.pldm.fwpkg	HPE SN1700Q 64Gb 2p FC HBA	02.11.01	02.11.01
937	HPE Firmware Flash for QLogic 32Gb	mh021101.upd_header.pldm.fwpkg	HPE SN1700Q 64Gb	02.11.01	02.11.01

	and 64Gb Fibre Channel Host Bus Adapters	er.pldm.fwpkg	1p FC HBA		
938	HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021101.upd_head er.pldm.fwpkg	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	02.11.01	02.11.01
939	HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021101.upd_head er.pldm.fwpkg	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	02.11.01	02.11.01
940	Firmware Package - UBM10 Backplane PIC PLDM Firmware	HPE_UBM10_1.04_A. fwpkg	UBM10 Backplane PIC	1.04	1.04
941	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_F.f wpkg	UBM2 Backplane PIC	1.20 (F)	1.20
942	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10 and Gen10 Plus and Gen11 servers usage	HPE_UBM3_1.24_G.f wpkg	UBM3 Backplane PIC	1.24 (G)	1.24
943	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10P/Gen11/Gen12 servers usage	HPE_UBM4_1.24_G.f wpkg	UBM4 Backplane PIC	1.24 (G)	1.24
944	Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage	HPE_UBM5_1.16_A.f wpkg	UBM5 Backplane PIC	1.16	1.16
945	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage	HPE_UBM6_1.06_A.f wpkg	UBM6 Backplane PIC	1.06	1.06
946	Firmware Package - UBM7 Backplane PIC PLDM Firmware	HPE_UBM7_1.10_B.f wpkg	UBM7 Backplane PIC	1.10 (B)	1.10
947	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp070496.exe	-	06.01.04.21 5.0	6.1.4.215
948	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp070538.exe	-	06.01.04.21 5.0	6.1.4.215
949	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp070539.exe	-	06.01.04.21 5.0	6.1.4.215
950	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp070475.exe	-	06.01.04.21 5.0	6.1.4.215
951	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	cp070607.exe	-	06.03.04.06 9.0	6.3.4.69.0
952	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u54sps- 06.01.04.215.0- 1.1.x86_64.rpm	-	06.01.04.21 5.0	6.1.4.215
953	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u58sps- 06.01.04.215.0- 1.1.x86_64.rpm	-	06.01.04.21 5.0	6.1.4.215
954	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u63sps- 06.01.04.215.0- 1.1.x86_64.rpm	-	06.01.04.21 5.0	6.1.4.215

6.2.19 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
955	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u59sps-06.01.04.215.0-1.1.x86_64.rpm	-	06.01.04.215.0	6.1.4.215
956	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	firmware-u65sps-06.03.04.069.0-1.1.x86_64.rpm	-	06.03.04.069.0	6.3.4.69.0

6.2.20 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
957	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U59_ME_06.01.04.215.0.fwpkg	-	06.01.04.215.0	6.1.4.215
958	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U54_ME_06.01.04.215.0.fwpkg	-	06.01.04.215.0	6.1.4.215
959	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U63_ME_06.01.04.215.0.fwpkg	-	06.01.04.215.0	6.1.4.215
960	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	OEM.SC_U65_ME_06.03.04.069.0.fwpkg	-	06.03.04.069.0	6.3.4.69
961	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-6.1.0-0.x86_64.rpm	-	6.1.0.0 (A)	6.1.0-0

6.2.21 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
962	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp070206.exe	-	6.0.0.0 (B)	6.0.0.0
963	HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0	cp070019.zip	-	2026.03.00	800.10.9.1.4-10EM.800.1.0.20613240
964	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp069350.zip	HPE Smart Array E208e-p SR Gen10 Controller	2026.03.01	6.60.8.0-8.0.0.20613240
965	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp069350.zip	HPE SR932i-p Gen11	2026.03.01	6.60.8.0-8.0.0.20613240
966	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp069349.zip	HPE Smart Array E208e-p SR Gen10 Controller	2026.03.01	6.60.11.0-10EM.900.0.24755229
967	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp069349.zip	HPE SR932i-p Gen11	2026.03.01	6.60.11.0-10EM.900.0.24755229

6.2.22 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
968	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR416i-o_Gen11	2026.03.01	007.3604.0000-10EM.900.0.2

					4755229
969	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR416i-p_Gen11	2026.03.01	007.3604.0000-10EM.900.0.24755229
970	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR216i-o_Gen11	2026.03.01	007.3604.0000-10EM.900.0.24755229
971	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR408i-o_Gen11	2026.03.01	007.3604.0000-10EM.900.0.24755229
972	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR216i-p_Gen11	2026.03.01	007.3604.0000-10EM.900.0.24755229
973	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp068890.zip	HPE_MR408i-p_Gen11	2026.03.01	007.3604.0000-10EM.900.0.24755229
974	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp070502.zip	HPE SN1700Q 64Gb 2p FC HBA	2026.04.01	5.4.86.0-10EM.803.0.0.24022510
975	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp070502.zip	HPE SN1700Q 64Gb 1p FC HBA	2026.04.01	5.4.86.0-10EM.803.0.0.24022510

6.2.23 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
976	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp070502.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2026.04.01	5.4.86.0-10EM.803.0.0.24022510
977	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp070502.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2026.04.01	5.4.86.0-10EM.803.0.0.24022510
978	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp070503.zip	HPE SN1700Q 64Gb 2p FC HBA	2026.04.01	5.5.86.0-10EM.900.0.24755229
979	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp070503.zip	HPE SN1700Q 64Gb 1p FC HBA	2026.04.01	5.5.86.0-10EM.900.0.24755229
980	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp070503.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2026.04.01	5.5.86.0-10EM.900.0.24755229
981	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp070503.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2026.04.01	5.5.86.0-10EM.900.0.24755229
982	Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server	amsd-4.6.0-2132.11.rhel9.x86_64.rpm	-	4.6.0	4.6.0-2132.11.rhel9
983	Agentless Management Service for Microsoft Windows x64	cp070371.exe	-	4.70.0.0	4.70.0.0
984	HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers	cp070370.zip	-	2026.03.01	802.12.5.0.13-1
985	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	storcli-007.3604.0000.0000-1.noarch.rpm	HPE_MR416i-o_Gen11	007.3604.0000.0000	007.3604.0000.0000-1
986	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	storcli-007.3604.0000.0000-1.noarch.rpm	HPE_MR416i-p_Gen11	007.3604.0000.0000	007.3604.0000.0000-1
987	HPE MegaRAID Storage Administrator	storcli-	HPE_MR216i-	007.3604.00	007.3604.000

	StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	007.3604.0000.0000-1.noarch.rpm	o_Gen11	00.0000	0.0000-1
988	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	storcli-007.3604.0000.0000-1.noarch.rpm	HPE_MR408i-o_Gen11	007.3604.0000.0000	007.3604.0000.0000-1
989	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	storcli-007.3604.0000.0000-1.noarch.rpm	HPE_MR216i-p_Gen11	007.3604.0000.0000	007.3604.0000.0000-1
990	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)	storcli-007.3604.0000.0000-1.noarch.rpm	HPE_MR408i-p_Gen11	007.3604.0000.0000	007.3604.0000.0000-1
991	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR416i-o_Gen11	7.3604.0.0	7.3604.0.0
992	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR416i-p_Gen11	7.3604.0.0	7.3604.0.0
993	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR216i-o_Gen11	7.3604.0.0	7.3604.0.0
994	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR408i-o_Gen11	7.3604.0.0	7.3604.0.0
995	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR216i-p_Gen11	7.3604.0.0	7.3604.0.0
996	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp068888.exe	HPE_MR408i-p_Gen11	7.3604.0.0	7.3604.0.0
997	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR416i-o_Gen11	8.16.13.0	008.016.013.000-00
998	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR416i-p_Gen11	8.16.13.0	008.016.013.000-00
999	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR216i-o_Gen11	8.16.13.0	008.016.013.000-00
1000	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR408i-o_Gen11	8.16.13.0	008.016.013.000-00
1001	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR216i-p_Gen11	8.16.13.0	008.016.013.000-00
1002	HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)	MRStorageAdministra-008.016.013.000-00.x86_64.rpm	HPE_MR408i-p_Gen11	8.16.13.0	008.016.013.000-00
1003	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR416i-o_Gen11	8.16.13.0	8.16.13.0
1004	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR416i-p_Gen11	8.16.13.0	8.16.13.0
1005	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR216i-o_Gen11	8.16.13.0	8.16.13.0
1006	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR408i-o_Gen11	8.16.13.0	8.16.13.0
1007	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR216i-p_Gen11	8.16.13.0	8.16.13.0
1008	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)	cp068891.exe	HPE_MR408i-p_Gen11	8.16.13.0	8.16.13.0
1009	Smart Storage Administrator (SSA) CLI	ssacli-6.60-	HPE Smart Array	6.60.8.0	6.60-8.0

	for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	8.0.x86_64.rpm	E208e-p SR Gen10 Controller		
1010	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.60-8.0.x86_64.rpm	HPE SR932i-p Gen11	6.60.8.0	6.60-8.0
1011	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp069346.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.60.8.0	6.60.8.0
1012	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp069346.exe	HPE SR932i-p Gen11	6.60.8.0	6.60.8.0
1013	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.60-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.60.8.0	6.60-8.0
1014	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.60-8.0.x86_64.rpm	HPE SR932i-p Gen11	6.60.8.0	6.60-8.0

6.3 パッケージの変更内容

Online ROM Flash Component for Windows x64 - System ROM U54

Version: 2.80_01-29-2026

Important Notes:

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.215.0.
- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.
- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.

Online ROM Flash Component for Windows x64 - System ROM U63

Version: 2.80_01-29-2026

Important Notes:

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.215.0.
- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB

update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.
- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.

Online ROM Flash Component for Windows x64 - System ROM U65

Version: 2.40_02-06-2026

Important Notes:

- This version of the System ROM contains updates aligned with the Intel IPU2026.1 BKC update.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.069.0.

Problems Fixed:

- Addressed an issue where systems configured with Secure Boot may experience a Red Screen of Death upon removal of Microsoft Windows Production PCA certificates from the Secure Boot database.
- Addressed an issue where the negotiated link width was displayed incorrectly when bifurcating a PCIe slot.
- Addressed an issue where iLO Remote Console could become stuck when warning messages appeared in RBSU.

- Addressed an issue where HTML5 Virtual Floppy or Virtual Folder functionality was not working properly.
- Addressed an issue with RBSU DST calculations to prevent a Time Zone setting reset condition.

Enhancements:

- Enabled PXE boot capability for certain USB NICs, which will appear in the One Time Boot Menu.
- Updated Intel Reference Code with IPU 2026.1, including updated microcode for Intel Xeon E-2400 series processors for improved system stability and performance.
- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.
- Improved boot time reporting to Redfish BootProgress property for better visibility into system startup performance.

ROM Flash Firmware Package - System ROM U54

Version: 2.80_01-29-2026

Important Notes:

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.215.0.
- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.
- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and

other supported languages.

ROM Flash Firmware Package - System ROM U63

Version: 2.80_01-29-2026

Important Notes:

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.215.0.
- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.
- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.

Online ROM Flash Component for Windows x64 - System ROM U59

Version: 2.80_01-29-2026

Important Notes:

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

06.01.04.215.0.

- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.
- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.

ROM Flash Firmware Package - System ROM U59

Version: 2.80_01-29-2026

Important Notes:

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.215.0.
- This version of the System ROM contains updates aligned with the Intel EagleStream IPU 2025.4 OOB update.

Problems Fixed:

- Addressed an issue where system could run into high CPU utilization and unresponsiveness when processing specific corrected error events.
- Addressed an issue where root ports were improperly configuring 10-bit TLP tags in PCIe devices that only support 8-bit tags, causing completion timeouts and device communication failures.

- Addressed an issue where the system might report Memory Uncorrectable Error during booting up when setting "System Configuration > BIOS/Platform Configuration (RBSU) > System Options > Boot Time Optimizations > Memory Clear on Warm Reset" to Enabled.
- Addressed an issue where the Virtual Floppy or Virtual Folder may not function properly when using HTML5 IRC mode.
- Addressed an issue where the system time zone setting may not update as expected.
- Addressed an issue where the system might unexpectedly report unsupported DIMM configurations when system includes full DIMM population.
- Addressed an issue where the system remote console may become unresponsive when the Intelligent Provisioning warning message appears.
- Addressed an issue where the negotiated link width value of the PCIe slot might be incorrect when bifurcating the slot.
- Addressed an issue where the PCIe Link Speed setting under "System Configuration (RBSU)¥PCIe Device Configuration¥Slot" did not include the option for PCIe Generation 4.0.

Enhancements:

- Enhanced multi-language translation support for RBSU menus and options across Chinese, Japanese, and other supported languages.

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.74

Problems Fixed:

- Fixed the mismatch in Virtual Serial Port (VSP) Enabled state value between Redfish and iLO Command Line Interface (CLI).
- Fixed an issue by adding the handling of EAP packet with Identifier Value 0 in iLO.
- Fixed a file descriptor leak in iLO CLI.
- Fixed an issue where DL20 Gen11 and ML30 Gen11 servers were automatically powering on after a power loss, even if Auto Power-on option is set to Always Remain Off.
- Fixed an issue where memory resource endpoints were taking longer time to respond.
- Fixed an issue where the Component Integrity Policy menu was not grayed out with an unselected Global Component Integrity option set.
- Fixed the empty message arguments that were reported with AggregateHealthStatusChange event while reading iLO events using /redfish/v1/Systems/1/LogServices/Event/Entries.
- Fixed an issue where iLO failed to report InPostDiscoveryComplete even after server boot is completed.
- Fixed an issue where an iLO 6 user with insufficient privilege was still able to run VSP commands.
- Fixed an issue where iLO SNMP became unresponsive when SNMPWALK ran in parallel from multiple consoles.
- Fixed an issue with SNMP failed to display a proper output when storage condition is failed.
- Fixed the SNMP OID cpqHeMibCondition to include and account for the Storage subsystem health condition.

- Fixed an issue where on issuing virtual media-related commands in an SSH session to retrieve the current status, the command failed and subsequently caused the SMASH CLP session to hang.
- Fixed an issue with the backup_start event to protect the back up process from auxiliary power cycle interruptions. This fix includes the implementation of IML logging.
- Fixed an issue with iLO to display power supplies as per power supply type AC or DC.
- Fixed an issue with timeout duration for CHIF/libhpsrv transfer cases.

Enhancements:

- Added new root CA for Micron Drives in iLO for all models from the 7600 series onward.
- Enabled secure erase of a single NVMe direct attached drive using Redfish API.
- Support for certificate management and enhanced measurements for SPDM devices through iLO GUI on Hitachi Gen 11 servers.
- Enabled VSP by default.
- Support to report system energy consumption counter for ML/DL servers.
- Corrected the NVMe SMART Data (Data Units Read and Unsafe Shutdowns) in AHS.
- Ability to update H200 NVL PCIe Accelerator GPU and CEC firmware using iLO.
- Support of certificate management and enhanced measurements for SPDM devices on Hitachi Gen 11 servers.
- Ability of the iLO GUI to list the link status info for RDE enabled NICs independent of OS and AMS.
- Ability of iLO encryption to support domain-based users and certificates.
- Ability to update VRD firmware using iLO.

Issues and workarounds:

- The "start /system1/oemHITACHI_vsp1" command does not work in this version. For details, please refer to ADV-2025-0075.
- The vsp command does not work in this version. If you want to use a virtual serial console, please use the "start /system1/oemHITACHI_vsp1" command instead of the vsp command.

Online ROM Flash Firmware Package - iLO 6

Version: 1.74

Problems Fixed:

- Fixed the mismatch in Virtual Serial Port (VSP) Enabled state value between Redfish and iLO Command Line Interface (CLI).
- Fixed an issue by adding the handling of EAP packet with Identifier Value 0 in iLO.
- Fixed a file descriptor leak in iLO CLI.
- Fixed an issue where DL20 Gen11 and ML30 Gen11 servers were automatically powering on after a power loss, even if Auto Power-on option is set to Always Remain Off.
- Fixed an issue where memory resource endpoints were taking longer time to respond.
- Fixed an issue where the Component Integrity Policy menu was not grayed out with an unselected Global Component Integrity option set.
- Fixed the empty message arguments that were reported with AggregateHealthStatusChange event while reading iLO events using /redfish/v1/Systems/1/LogServices/Event/Entries.

- Fixed an issue where iLO failed to report InPostDiscoveryComplete even after server boot is completed.
- Fixed an issue where an iLO 6 user with insufficient privilege was still able to run VSP commands.
- Fixed an issue where iLO SNMP became unresponsive when SNMPWALK ran in parallel from multiple consoles.
- Fixed an issue with SNMP failed to display a proper output when storage condition is failed.
- Fixed the SNMP OID cpqHeMibCondition to include and account for the Storage subsystem health condition.
- Fixed an issue where on issuing virtual media-related commands in an SSH session to retrieve the current status, the command failed and subsequently caused the SMASH CLP session to hang.
- Fixed an issue with the backup_start event to protect the back up process from auxiliary power cycle interruptions. This fix includes the implementation of IML logging.
- Fixed an issue with iLO to display power supplies as per power supply type AC or DC.
- Fixed an issue with timeout duration for CHIF/libhpsrv transfer cases.

Enhancements:

- Added new root CA for Micron Drives in iLO for all models from the 7600 series onward.
- Enabled secure erase of a single NVMe direct attached drive using Redfish API.
- Support for certificate management and enhanced measurements for SPDM devices through iLO GUI on Hitachi Gen 11 servers.
- Enabled VSP by default.
- Support to report system energy consumption counter for ML/DL servers.
- Corrected the NVMe SMART Data (Data Units Read and Unsafe Shutdowns) in AHS.
- Ability to update H200 NVL PCIe Accelerator GPU and CEC firmware using iLO.
- Support of certificate management and enhanced measurements for SPDM devices on Hitachi Gen 11 servers.
- Ability of the iLO GUI to list the link status info for RDE enabled NICs independent of OS and AMS.
- Ability of iLO encryption to support domain-based users and certificates.
- Ability to update VRD firmware using iLO.

Issues and workarounds:

- The "start /system1/oemHITACHI_vsp1" command does not work in this version. For details, please refer to ADV-2025-0075.
- The vsp command does not work in this version. If you want to use a virtual serial console, please use the "start /system1/oemHITACHI_vsp1" command instead of the vsp command.

Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows

Version: 10.1.19886.8592 (B) (Recommended)

Enhancements

- Updated setup utility dependencies

Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows

Version: 10.1.19879.8585 (F) (Recommended)

Enhancements

- Updated installer library to detect reboot flag.

Language Pack - Japanese

Version: 1.74 (A) (Recommended)

Prerequisites

Requires iLO 6 firmware version 1.30 or higher and SUM version 12.0 or higher.

Enhancements

New help files are added in version 1.74.

Integrated Smart Update Tools 6.6.0 for ESXi 8.0, ESXi 9.0 and ESXi 9.1

Version: 2026.03.00 (Recommended)

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools for Linux x64

Version: 5.3.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM 8.0.0 and later is required.

For Gen10 and above iSUT need iLO 5 firmware version 1.11 or later Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools for Linux x64

Version: 6.5.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM

8.0.0 and later is required.

For Gen10 and above iSUT need iLO 5 firmware version 1.11 or later Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools for Linux x64

Version: 6.6.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM

8.0.0 and later is required.

For Gen10 and above iSUT need iLO 5 firmware version 1.11 or later Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Integrated Smart Update Tools for Windows x64

Version: 6.6.0.0 (Recommended)

Important Note!

Please note the following:

iSUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later.

If an earlier version of SUM is used, iSUT will notify the user that SUM

8.0.0 and later is required.

For Gen10 and above iSUT need iLO 5 firmware version 1.11 or later Integrated Smart Update Tools requires iLO Advanced Pack license.

Prerequisites

For prerequisite information, please see the iSUT Release Notes.

Fixes

See the iSUT Release Notes for information about the issues resolved in this release

Enhancements

See the iSUT Release Notes for information about the issues resolved in this release

Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows

Version: 10.1.19886.8592 (B) (Recommended)

Enhancements

- Updated setup utility dependencies

Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows

Version: 10.1.19879.8585 (F) (Recommended)

Enhancements

- Updated installer library to detect reboot flag.

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022

Version: 235.1.122.0 (Recommended)

Important Note!

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 235.1.160.0 or later, for use with this driver.

Enhancements

- This product enhances the Windows driver to support PCIe compliance configuration by enabling pass-through firmware commands with long input message sizes.
- This product enhances adding new event log warning message.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025

Version: 235.1.122.0 (Recommended)

Important Note!

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 235.1.160.0 or later, for use with this driver.

Enhancements

- This product enhances the Windows driver to support PCIe compliance configuration by enabling pass-through firmware commands with long input message sizes.
- This product enhances adding new event log warning message.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.8.0 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.6.0 or later, for use with this driver.

Enhancements

This product enhances to update PNP ID table (Plug and Play Identifier)

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9

Version: 1.10.3-235.1.164.14 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 235.1.164014 or later, for use with this driver.

Prerequisites

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

Fixes

- This product fixes the TPH error-handling logic to prevent steering tag lookup failures and improper IRQ notifier teardown.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2025.11.00 (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, 235.1.160000 or later, for use with this driver.

Fixes

This product fixes issue where the RoCE driver updated the RoCE priority from the Queue Pair and Address Handle context by suppressing that value and not propagating it to the L2 driver.

Enhancements

This product enhances the completion queue design to support two completion queues for each Notification Queue

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0

Version: 2025.11.00 (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 HPE Broadcom NetXtreme-E Firmware Version, 235.1.160000 or later, for use with this driver.

Fixes

This product fixes issue where the RoCE driver updated the RoCE priority from the Queue Pair and Address Handle context by suppressing that value and not propagating it to the L2 driver.

Enhancements

This product enhances the completion queue design to support two completion queues for each Notification Queue

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 6.

Version: 235.1.164.14 (Recommended)

Prerequisites

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9, version 1.10.3-235.1.164.0 or later, must be installed before installing this product.

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

Enhancements

This product enhance RoCE packet capture is correctly enabled when LAG is configured by aligning firmware LAG enablement with L2 driver configuration.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9

Version: 3.139w-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.42.0 or later, for use with these drivers.

Prerequisites

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

Fixes

This product fixes the issue where The ethtool command set rx_jumbo_pending to zero so any received jumbo packets are dropped

Supported Devices and Features

These drivers support the following network adapters:

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

HPE Intel iavf Drivers for Red Hat Enterprise Linux 9

Version: 4.13.20-1 (Recommended)

Important Note!

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.35.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.35.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.90 or later for use with these drivers.

Enhancements

- This product added support for RHEL9.7.
- This product enhanced the virtual interface initialization structure for the driver

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

HPE Intel igb Drivers for Red Hat Enterprise Linux 9

Version: 5.19.10-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.35.0 or later, for use with these drivers.

Enhancements

- This product added support for RHEL 9.7.
- This product enhanced the networking FIFO flow for the driver

Supported Devices and Features

These drivers support the following network adapters:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2025.05.00 (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 3.26.1 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:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 9.0

Version: 2025.11.00 (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 3.26.1 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:

- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Mellanox RoCE Driver [ConnectX-4 and above] for Red Hat Enterprise Linux 9 Update 6 (x86_64)

Version: 25.07-0.9.7.0 (Recommended)

Important Note!

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

(https://downloads.linux.hpe.com/SDR/project/mlnx_ofed_cx4plus/).

Fixes

The following issues have been fixed in version 25.07-0.9.7.1:

- OFED installation caused CIFS to break in RHEL 8.4 and above. A dummy module was added so that CIFS will be disabled after OFED installation in RHEL 8.4 and above.
- Performance degradation on older kernel versions using RX cache, particularly on slower ARM CPUs with larger RX buffers. The issue was caused by the driver attempting to allocate new RX pages too quickly, leading to head-of-line blocking in the RX cache. The fix improves RX cache usage by triggering page allocation for a bulk of at least 2 WQEs, allowing the application more time to process packets and return buffers to the RX cache, thereby reducing blocking and enhancing performance.
- VF behavior was not aligned with `/sys/class/net/<interface-name>/device/sriov_numvfs` (silently ignore attempts to set the same number of VFs, and prevent changing the number of VFs until existing VFs are removed).
- On BlueField-3 devices running linux-bluefield kernel versions 5.15.0-1050 or 5.15.0-1060, a kernel crash occurred due to a NULL pointer dereference in the `cls_api` network scheduler.

Enhancements

The following new features and changes have been included in version 25.07-0.9.7.1:

- Hardware Steering (HWS): Enabled HWS as a secondary option for the device steering mode. If Software Steering (SWS) is not supported, HWS will be used by default, assuming it is available. Firmware Steering (FW) will now serve as the default only when both SWS and HWS are unsupported.
- Hardware-Managed Flow Steering (HMFS): HMFS is a new approach to managing steering rules, where STEs are written to the ICM by hardware instead of software (as in software-managed steering). This enables a higher rate of rule insertion.
- Queue Affinity Bonding: Added support for 4-port bonding to allow users to add both p0 and p1 to a bond without requiring SSH access to the host or bringing down the driver beforehand.
- Multiple Doorbells per PF: Increased the number of doorbells from 1 to 8, distributing them in a round-robin manner across channel send and receive queues. This enhancement improves scalability on multi-core systems with high packet rates by reducing MMIO contention on doorbell addresses. In high packet-rate scenarios, Sub-NUMA Clustering is also required to maintain consistent channel packet rates.
- HQoS for Virtualization Solution: Added support for hierarchical group structures to enable multi-tier resource control, where parent groups enforce overall limits and child groups dynamically share available bandwidth. This design is essential for effective QoS enforcement, burst handling, and fair bandwidth allocation, ensuring workloads receive appropriate resources.
- Number of lanes Configuration when Auto-Negotiation is Disabled: Added support for specifying the number of lanes (protocol width) when auto-

negotiation is disabled. Since each combination of speed and lane count corresponds to a unique link mode, this allows the user to select a specific link mode when auto-negotiation is off. This change aligns with a recent firmware update that requires the driver to provide a single link mode, rather than a bitmap based on the user-defined speed.

- Extend ODP Statistics with Operation Count: Added the following new page-granularity counters:
 - num_page_faults: counts the number of page fault events handled
 - num_invalidations: counts the number of page invalidation events handled

Supported Devices and Features SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux 9 update 6 (x86_64) supported by this binary rpm are:

- 5.14.0-570.12.1.el9_6 (x86_64) and future update kernels.

Intel i350 Driver for Windows Server 2022

Version: 14.0.13.0 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.5.0 or later, for use with this driver.

Fixes

Feature Change: Removal of virtualization/SRIOV feature.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

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

Intel i350 Driver for Windows Server 2025

Version: 14.1.24.0 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.5.0 or later, for use with this driver.

Fixes

Feature Change: Removal of virtualization/SRIOV feature.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

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

Intel ice Drivers for Red Hat Enterprise Linux 9

Version: 2.4.5-1 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.90 or later for use with these drivers.

Fixes

- This product fixed the “Failed to apply Tx scheduling configuration, err -17” issue caused by incorrect topology detection.
- This product fixed a kernel NULL-pointer dereference that occurred during reset after NVM update when transmit balancing was enabled.
- This product fixed an issue where the VF RDMA virtual device was not created when SR-IOV LAG dependencies were misdetected.
- This product fixed failures related to PTP_PIN_SETFUNC2 on Linux 6.16 and later kernels.

Enhancements

- This product add support for RHEL 9.7

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

Intel icea Driver for Microsoft Windows Server 2022

Version: 1.20.39.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.91 or later, for use with this driver.

Fixes

- This product fixed networking communication issues.
- This product fixed a memory-leak issue.

Enhancements

- This product enhanced the offload stack for ARP, NS, and WoL features.
- This product enhanced the TX topology and overall traffic flow.
- This product enhanced power-state handling for S0 Idle, power events, registry reading, and logging.

Supported Devices and Features

This driver supports the following HPE Intel ICEA 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-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 Microsoft Windows Server 2025

Version: 1.20.43.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.91 or later, for use with this driver.

Fixes

- This product fixed networking communication issues.
- This product fixed a memory-leak issue.

Enhancements

- This product enhanced the offload stack for ARP, NS, and WoL features.
- This product enhanced the TX topology and overall traffic flow.
- This product enhanced power-state handling for S0 Idle, power events, registry reading, and logging.

Supported Devices and Features

This driver supports the following HPE Intel ICEA 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-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 8.0

Version: 2026.03.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version

4.71 or later, for use with these drivers.

Fixes

- This product fixed RDMA configuration cleanup during transitions between Native and ENS modes, as well as state changes.
- This product removed warning messages during driver unload by improving cleanup of TX scheduler configuration.
- This product fixed VLAN list cleanup during VF reset, ensuring VLAN properties can be configured correctly by the OS.

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

Intel icen Driver for VMware vSphere 9.0

Version: 2026.03.00 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibspot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.91 or later, for use with these drivers.

Fixes

- This product fixed RDMA configuration cleanup during transitions between Native and ENS modes, as well as state changes.
- This product removed warning messages during driver unload by improving cleanup of TX scheduler configuration.
- This product fixed VLAN list cleanup during VF reset, ensuring VLAN properties can be configured correctly by the OS.

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

Mellanox WinOF2 Driver for Microsoft Windows Server 2022

Version: 25.7.26882.0 (Recommended)

Fixes

This product fixed an issue where the Relaxed Ordering feature was incorrectly disabled when using firmware versions newer than XX.36.2024.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter

Mellanox WinOF2 Driver for Microsoft Windows Server 2025

Version: 25.7.26882.0 (Recommended)

Fixes

This product fixed an issue where the Relaxed Ordering feature was incorrectly disabled when using firmware versions newer than XX.36.2024.

Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter

Intel QuickAssist Technology driver for Microsoft Windows

Version: 2.6.0.30 (Recommended)

Fixes

- Intel is releasing software updates to mitigate some potential vulnerabilities covered in INTEL-SA-01373, which includes CVE-2025-33000, CVE-2025-27713, CVE-2025-32732, CVE-2025-32446, CVE-2025-27710, CVE-2025-3193, CVE-2025-266947, CVE-2025-30509 and CVE-2025-32088.

Enhancements

- Updated supported products
- Update setup utility dependencies

Intel QuickAssist Technology driver for Microsoft Windows

Version: 2.5.0.13 (C) (Recommended)

Enhancements

- Updated supported products

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 8.0

Version: 2026.03.01 (Recommended)

Important Note!

- Actual Version is 7.736.02.00

Fixes

- Fix an issue that driver unload will fail if there is any management command is outstanding

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver (64-bit) for vSphere 9.0

Version: 2026.03.01 (Recommended)

Important Note!

- Actual Version is 7.736.02.00

Fixes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix an issue that PSOC update is not allowing when the part number is beyond 65535

Enhancements

- Return error when enabling encryption with 256 characters for keyid in Drive Security command
- Display the controller serial number as "NA" when not programmed

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus Controllers and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 Controllers Driver for 64-bit Red Hat Enterprise Linux 9

Version: 07.736.04.00 (Recommended)

Fixes

- Fix an issue that NVMe device properties function lacks NULL checks before using request_queue->limits
- Fix IOMMU exceptions for some commands. The affected commands are
 - REPORT ZONES (opcode 0x95, service action 0x00)
 - GET PHYSICAL ELEMENT STATUS (opcode 0x9E, service action 0x17)
 - SECURITY PROTOCOL IN (opcode 0xA2)
- Fixed an issue where zero-length ATA VPD inquiry commands were not handled correctly and failed with a non-standard status code (0xF0)
- Fix SCSI host template callback for kernel 6.12

Enhancements

- Improved handling of dma_alignment and the NVMe boundary mask for better compatibility across kernel versions

HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2025 edition

Version: 7.736.3.0 (Recommended)

Fixes

- Added PowerSrbTimeout in subkey parameters value in INF File.

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

Version: 2026.01.01 (Recommended)

Important Note!

- Actual ESXi8.0 driver version is 80.4880.0.109
- Actual ESXi9.0 driver version is 90.4880.0.109
- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014,
Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- For Windows 2016 driver, please use 1010.84.0.1012 in below link: XXXX
- For Windows 2019 driver, please use 1016.10.0.1004 in below link:
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Fixes

- Fixed an issue that device is inappropriately reported as invalid and is removed during reset.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 9.0 (Driver Component).

Version: 2026.01.01 (Recommended)

Important Note!

- Actual ESXi8.0 driver version is 80.4880.0.109
- Actual ESXi9.0 driver version is 90.4880.0.109
- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014,
Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.

- For Windows 2016 driver, please use 1010.84.0.1012 in below link: XXXX
- For Windows 2019 driver, please use 1016.10.0.1004 in below link:
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Fixes

- Fixed an issue that device is inappropriately reported as invalid and is removed during reset.

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

Version: 2.1.38-022 (Recommended)

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 7.81 for SR SAS/SATA controllers and firmware version 03.01.41.032 for SR tri-mode controllers, along with Windows driver version 1016.24.0.1002, Linux driver version 2.1.36-026, and VMware ESXi driver version 4862.0.104, as this combination has been fully qualified.

Enhancements

N/A.

Supported Devices and Features

SUPPORTED KERNELS:

The kernels of Red Hat Enterprise Linux9 (64-bit) supported by this binary rpm are:

-default- Red Hat Enterprise Linux 9 Update 0 (64-bit).

HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2022 and Windows Server 2025

Version: 1016.30.0.1014 (Recommended)

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014,
Linux driver version 2.1.38-022, and VMware ESXi driver
version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- For Windows 2016 driver, please use 1010.84.0.1012 in below link:
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- For Windows 2019 driver, please use 1016.10.0.1004 in below link:
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Enhancements

N/A.

MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10p Controllers and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 Controllers driver for Microsoft Windows 2022 edition

Version: 7.736.3.0 (Recommended)

Fixes

- Added PowerSrbTimeout in subkey parameters value in INF File.

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

Version: 14.4.624.0 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers.

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 14.4.624.0

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

elxdvr-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\win2022

Supported Devices and Features

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

32Gb FC Adapter:

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

64Gb FC Adapter:

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

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025

Version: 14.4.624.1 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers.

Release notes:

Broadcom Release notes

Added following Enhancement:

Reverted IRQ count to 128 from 240 in inf file to avoid resource constraints on low end server configurations

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 14.4.624.1

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\win2022

Added following Enhancement:

Reverted IRQ count to 128 from 240 in inf file to avoid resource constraints on low end server configurations

Supported Devices and Features

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

32Gb FC Adapter:

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

64Gb FC Adapter:

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

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

Version: 9.4.11.20 (c) (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. Release Notes:

HPE QLogic Adapters Release Notes

Prerequisites

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

Fixes

Updated Driver and installer Digital Signature Validity

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025

Version: 9.4.11.20 (d) (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. Release Notes:
HPE QLogic Adapters Release Notes

Prerequisites

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

Fixes

Updated Driver and installer digital signature validity

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter

Version: 14.4.731.6 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers.

Release notes:

Broadcom Release notes

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

Example: rpm -Uvh elx-lpfc-kmp-default-<version>.<OSupdate>.x86_64.rpm --reinstall Updated to driver version 14.4.731.6

Prerequisites

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

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

Enhancements

Updated to version 14.4.731.6

Supported Devices and Features

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

32Gb FC Adapter:

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

64Gb FC Adapter:

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

Red Hat Enterprise Linux 9 Update 6 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.15.00-k1 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. Release Notes:

HPE QLogic Adapters Release Notes NOTE:

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

Prerequisites

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

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

Enhancements

Updated Driver version 10.02.15.00-k1

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (I) (Optional)

Enhancements

- Updated setup utility dependencies

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (G) (Optional)

Enhancements

- Updated setup utility dependencies

iLO 6 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (I) (Optional)

Enhancements

- Updated setup utility dependencies

iLO 6 Channel Interface Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (G) (Optional)

Enhancements

- Updated setup utility dependencies

Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025

Version: 9.15.1.268 (F) (Optional)

Enhancements

- Updated setup utility dependencies

Language Pack - Japanese

Version: 1.74 (A) (Recommended)

Prerequisites

Requires iLO 6 firmware version 1.30 or higher and SUM version 12.0 or higher.

Enhancements

New help files are added in version 1.74.

Language Pack - Japanese

Version: 1.74 (A) (Recommended)

Prerequisites

Requires iLO 6 firmware version 1.30 or higher and SUM version 12.0 or higher.

Enhancements

New help files are added in version 1.74.

Online ROM Flash Component for Linux - iLO 6

Version: 1.74 (Recommended)

Prerequisites

Hewlett Packard Enterprise recommends the following or greater versions of iLO utilities for best performance:

- RESTful Interface Tool (iLOREST) 6.3.0
- HPQLOCFG v6.1.0
- Lights-Out XML Scripting Sample bundle 6.00.0
- HPONCFG Windows 6.0.0.0(B)
- HPONCFG Linux 6.1.0.0(A)
- LOCFG v6.00.0 or later
- HPLOMIG 6.1.0
- Schema extender 6.1.0
- Snap-in (x86) 6.0.0
- Snap-in (x64) 6.0.0

NOTE: Updated utilities and system libraries are required to support the iLO HighSecurity, FIPS, and CNSA security states. The HPONCFG Windows utility does not currently support the CNSA security state.

NOTE: Below Points are applicable only for Intel and AMD

- Updated utilities and system libraries are required to support the iLO High Security, FIPS, and CNSA security states
- The iLO RESTful API is the preferred programmatic interface for Gen10, Gen10+ and Gen11 systems.
- The preferred CLI and scripting tool is the RESTful Interface Tool (iLOREST).

Supported Utilities for RL300

Hewlett Packard Enterprise recommends the following or greater versions of iLO utilities for best performance applicable for RL300:

- RESTful Interface Tool (iLOREST) 4.8.0.0 NOTE: Below Points are applicable only for RL300

- Updated utilities and system libraries are required to support the iLO in High Security and Production Modes.
- CNSA and FIPS mode are currently not supported. See the iLO 6 User Guide for the steps on how to disable FIPS and CNSA mode.
- iLO Amplifier Pack, HPE GreenLake Compute Ops Management (COM), HPE OneView, and HPE Insight for Servers do not support HPE ProLiant RL300 Gen 11 platform.
- RedHat Enterprise Linux 8.6 is supported on HPE ProLiant RL300 servers

For more information about Unsupported feature on HPE ProLiant RL300 Gen 11 servers, see iLO 6 User Guide

Fixes

- Fixed the mismatch in Virtual Serial Port (VSP) Enabled state value between Redfish and iLO Command Line Interface (CLI) (/system1/oemHPE_vsp1).
- Fixed an issue by adding the handling of EAP packet with Identifier Value 0 in iLO.
- Fixed a file descriptor leak in iLO CLI.
- Fixed an issue where iLO is taking 20-30 minutes to be accessible after Aux Power Cycle during a firmware flash on HPE ProLiant Compute XD685 with NVIDIA H200 GPU trays.
- Fixed an issue where NVIDIA HGX PCIe Switch versions are not being displayed on HPE ProLiant Compute XD685 with NVIDIA H200 GPU trays.
- Fixed issues with auxiliary power reset not working properly on AMD Instinct platforms on HPE ProLiant Compute XD685.
- Improved firmware update progress percentage when flashing NVIDIA HGX GPU or AMD Instinct GPU firmware packages on HPE ProLiant Compute XD685.
- Fixed issues with GPU management failing to work after firmware update on HPE ProLiant Compute XD685 with AMD Instinct MI355X GPUs.
- Fixed issues with AMD Pensando Pollara 400 AI NIC firmware version getting partially truncated on iLO Firmware Inventory page.
- Fixed an issue where HPE ProLiant DL20 Gen11, HPE ProLiant ML30 Gen11, and HPE Microserver Gen11 servers were automatically powering on after a power loss, even if Auto Power-on option is set to Always Remain Off.
- Fixed an issue where memory resource endpoints were taking longer time to respond for HPE ProLiant DL360 and HPE ProLiant DL560 servers.

Enhancements

- Updated SNMP MIBKIT to add additional storage controller properties and value set.
- Added new root CA for Micron Drives in iLO for all models from the 7600 series onward.
- Enabled secure erase of a single NVMe direct attached drive using Redfish API.
- Enabled RTX600D Pro Accelerator support in iLO6 firmware for HPE ProLiant DL385 Gen11 Platforms.
- Enabled RTX4500 Accelerator support in iLO6 firmware for HPE ProLiant DL385 Gen11 Platforms.
- Added support for AMD Instinct MI355X firmware update on HPE ProLiant Compute XD685.

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.74 (Recommended)

Prerequisites

Hewlett Packard Enterprise recommends the following or greater versions of iLO utilities for best performance:

- RESTful Interface Tool (iLOREST) 6.3.0
- HPQLOCFG v6.1.0
- Lights-Out XML Scripting Sample bundle 6.00.0
- HPONCFG Windows 6.0.0.0(B)
- HPONCFG Linux 6.1.0.0(A)
- LOCFG v6.00.0 or later
- HPLOMIG 6.1.0
- Schema extender 6.1.0
- Snap-in (x86) 6.0.0
- Snap-in (x64) 6.0.0

NOTE: Updated utilities and system libraries are required to support the iLO HighSecurity, FIPS, and CNSA security states. The HPONCFG Windows utility does not currently support the CNSA security state.

NOTE: Below Points are applicable only for Intel and AMD

- Updated utilities and system libraries are required to support the iLO High Security, FIPS, and CNSA security states
- The iLO RESTful API is the preferred programmatic interface for Gen10, Gen10+ and Gen11 systems.
- The preferred CLI and scripting tool is the RESTful Interface Tool (iLOREST).

Supported Utilities for RL300

Hewlett Packard Enterprise recommends the following or greater versions of iLO utilities for best performance applicable for RL300:

- RESTful Interface Tool (iLOREST) 4.8.0.0 NOTE: Below Points are applicable only for RL300
- Updated utilities and system libraries are required to support the iLO in High Security and Production Modes.
- CNSA and FIPS mode are currently not supported. See the iLO 6 User Guide for the steps on how to disable FIPS and CNSA mode.
- iLO Amplifier Pack, HPE GreenLake Compute Ops Management (COM), HPE OneView, and HPE Infosight for Servers do not support HPE ProLiant RL300 Gen 11 platform.
- RedHat Enterprise Linux 8.6 is supported on HPE ProLiant RL300 servers

For more information about Unsupported feature on HPE ProLiant RL300 Gen 11 servers, see iLO 6 User Guide

Fixes

- Fixed the mismatch in Virtual Serial Port (VSP) Enabled state value between Redfish and iLO Command Line Interface (CLI) (/system1/oemHPE_vsp1).
- Fixed an issue by adding the handling of EAP packet with Identifier Value 0 in iLO.
- Fixed a file descriptor leak in iLO CLI.

- Fixed an issue where iLO is taking 20-30 minutes to be accessible after Aux Power Cycle during a firmware flash on HPE ProLiant Compute XD685 with NVIDIA H200 GPU trays.
- Fixed an issue where NVIDIA HGX PCIe Switch versions are not being displayed on HPE ProLiant Compute XD685 with NVIDIA H200 GPU trays.
- Fixed issues with auxiliary power reset not working properly on AMD Instinct platforms on HPE ProLiant Compute XD685.
- Improved firmware update progress percentage when flashing NVIDIA HGX GPU or AMD Instinct GPU firmware packages on HPE ProLiant Compute XD685.
- Fixed issues with GPU management failing to work after firmware update on HPE ProLiant Compute XD685 with AMD Instinct MI355X GPUs.
- Fixed issues with AMD Pensando Pollara 400 AI NIC firmware version getting partially truncated on iLO Firmware Inventory page.
- Fixed an issue where HPE ProLiant DL20 Gen11, HPE ProLiant ML30 Gen11, and HPE Microserver Gen11 servers were automatically powering on after a power loss, even if Auto Power-on option is set to Always Remain Off.
- Fixed an issue where memory resource endpoints were taking longer time to respond for HPE ProLiant DL360 and HPE ProLiant DL560 servers.

Enhancements

- Updated SNMP MIBKIT to add additional storage controller properties and value set.
- Added new root CA for Micron Drives in iLO for all models from the 7600 series onward.
- Enabled secure erase of a single NVMe direct attached drive using Redfish API.
- Enabled RTX600D Pro Accelerator support in iLO6 firmware for HPE ProLiant DL385 Gen11 Platforms.
- Enabled RTX4500 Accelerator support in iLO6 firmware for HPE ProLiant DL385 Gen11 Platforms.
- Added support for AMD Instinct MI355X firmware update on HPE ProLiant Compute XD685.

Broadcom Firmware Package for BCM5741x adapters

Version: 235.1.164.14 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a

link failure.

- This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- This product fixes the issue where the adapter is unable to establish link after rebooting when using the “HPE 10GBASE-T SFP+ 30m RJ45 Transceiver” HPE PN 813874-B21 with vendor PN SP7053-HPE.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled.

It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter

Broadcom Firmware Package for BCM5750x adapters

Version: 235.1.164.7 (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 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where 10Gb SFP (SP7053-HPE) adapters are unable to establish a link after rebooting with BCM 57504 and 5741x adapters
- This product fixes the issue where BCM5741x NICs no longer connect after firmware 228.x FW with 10Gb-RJ45 Transceivers

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 Firmware Package for BCM57608 100GbE 2p Adapter

Version: 235.1.164.14 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where RDE "Location" property is missing under "NetworkAdapter" schema.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE

Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter

Version: 235.1.164.14 (Recommended)

Important Note!

For Firmware installation, there is no OS and drivers dependency.

For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.154.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- This product fixes the issue where OS installation failed with shared nic BCM 957508-N2 100Gb/s OCP.
- This product fixes the issue where RDE "Location" property is missing under "NetworkAdapter" schema.

Supported Devices and Features

This product supports the following network adapters:

- Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.42.0 (Recommended)

Important Note!

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

Prerequisites

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

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

firmware update.

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

Fixes

- This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number
- This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.43.0 (B) (Recommended)

Important Note!

This software package contains combo image v20.35.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.65	21.6.92

Prerequisites

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

Fixes

- This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a

dummy serial number.

- This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- This product fixes the issue where PCI Temperature sensor might be missing intermittently causing Increase in Fan Speed

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.6.0 (Recommended)

Important Note!

HPE recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.8.0 or later, for use with this firmware.

This software package contains combo image v20.35.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5719 1GbE 4p BASE-T LOM Adptr	1.64	21.6.4	1.5.65	21.6.92
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.65	21.6.92

Prerequisites

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

Fixes

- This product fixes the issue where unique serial number in VPD (Vital Product Data) will be altered to a dummy serial number.
- This product fixes the issue where Failing to Obtain iLO shared NIC DHCP IP and MCTP EID Missing during Reboot.
- This product fixes the issue where PCI Temperature sensor might be missing intermittently causing

Increase in Fan Speed

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.91 (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 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 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 fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.91 (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 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 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 fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

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: 4.91 (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 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 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 fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

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: 4.91 (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 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 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 fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

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: 4.91 (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 1.18.71.0 or later
- Intel ice Drivers for Linux, version 2.4.5-1 or later
- Intel icen Driver for VMware, version 2026.03.00 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 fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.36.0 (Recommended)

Prerequisites

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

Fixes

- This product fixed an HII defect where the “functionless default” overwrote modification information for the same flag field.
- This product fixed an issue where BIOS failed to preserve greyed-out options, preventing unintended writes.

Supported Devices and Features

This package supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware

Version: 3.29.0 (Recommended)

Important Note!

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

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version	FW Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3909.0	N/A	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3909.0	N/A	N/A

The combo image v1.3909.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE

- v1.1.45 & UEFI Drivers: 1GbE - v9.9.03, 10GbE - v8.3.05, 40GbE - v5.0.33

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

Prerequisites

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

Fixes

- This product fixed an HII defect where the “functionless default” overwrote modification information for the same flag field.
- This product fixed an issue where BIOS failed to preserve greyed-out options, preventing unintended writes.

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This package supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.7.0 (Recommended)

Important Note!

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

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version	FW Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3909.0	N/A	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3909.0	N/A	N/A

The combo image v1.3909.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.03, 10GbE - v8.3.05, 40GbE - v5.0.33

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

Prerequisites

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

Fixes

- This product fixed an HII defect where the “functionless default” overwrote modification information for the same flag field.
- This product fixed an issue where BIOS failed to preserve greyed-out options, preventing unintended writes.

Supported Devices and Features

This package supports the following network adapters:

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

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

Version: 26.46.3048 (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/connectx6lxfirmwarev26463048/known+is+sues>

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 26.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 26.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new `l4_type_ext` parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the `payload_len` field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

NVIDIA Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 26.46.3048 (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/connectx6lxfirmwarev26463048/known+is+sues>

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 26.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 26.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new `l4_type_ext` parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the `payload_len` field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

HPE Part Number	NVIDIA Ethernet Only Adapters	PSID
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551

NVIDIA Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT

Adapter : HPE part numbers P31246-B21 and P31246-H21

Version: 16.35.8002 (Recommended)

Important Note!

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

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.

2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System. Choose the appropriate firmware file format based on your preference and what suits your environment. 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/connectx5firmwarev16358002ts/known+is+sues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 16.35.8002:

- Firmware failed to scan the correct CQs for the PF after the FW entered into the CQ recovery mode., resulting in CQs for the PF not being recovered.

Enhancements

New features and changes included in version 16.35.8002:

- Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter(P31246-B21 and P31246-H21)	16.35.8002	MT_0000000591

NVIDIA 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: 20.43.8002 (Recommended)

Important Note!

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

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

Choose the appropriate firmware file format based on your preference and what suits your environment. ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

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

Port #2 - Ethernet				
Port #1 - InfiniBand	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

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/connectx6firmwarev20438002/known+issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 20.43.8002:

- Enabling DIM led to high IRQ/s in certain scenarios.

Enhancements

New features and changes included in version 20.43.8002:

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

Supported Devices and Features

This software package contains the following firmware versions:

NVIDIA VPI Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.43.8002	MT_0000000453

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B21 and P45641-H21

Version: 28.47.1026 (Recommended)

Important Note!

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

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

Choose the appropriate firmware file format based on your preference and what suits your environment.

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/connectx7firmwarev28471026/known-issues>

Fixes

The following issues have been fixed in version 28.47.1026:

- The ZTR_RTCC algorithm parameters AI and HAI did not support a sufficient range.
- Coalescing regular SX events with SX RTT events under ZTR_RTCC would keep improper event fields, which would impact congestion control behavior.
- Issue in the ZTR_RTCC algorithm where probe-abortion handling would behave improperly under high-

stress network conditions, affecting proper congestion control and stable traffic performance.

- An assertion failure that would occur with the E-Switch uplink in specific configurations where the e-switch was disabled and Path Migration was active or GVMIs were using SRQ loopback in SQs. The issue occurred

because the firmware attempted to perform cleanup operations when the uplink configuration lacked sufficient capacity. Now, when the E-Switch is disabled and no actions are available in the uplink STE, the firmware connects to the uplink STE instead of copying it.

- MCTP SMBus configuration issue which affected proper initialization and reliable communication between firmware components using the SMBus transport.
- During failover or restart, the SM sending a PortInfo MAD to the HCA firmware triggered reinitialization of port buffers, momentarily halting ingress traffic

and causing packet drops. The firmware now avoids reconfiguring port buffers when the new configuration matches the current one.

- Under the ZTR_RTTCC algorithm, a flow that reached its minimum rate due to heavy congestion would not recover its rate once the congestion cleared.
- Destroying or modifying a DPA partition from a non-owner VHCA was incorrectly allowed, such actions are now properly disallowed.
- PTP was not supported when the port speed was configured to 1G.

Enhancements

New features and changes included in version 28.47.1026:

- Added Scaling Factor "read" field. To obtain correct values in mlxlink, MFT version 4.33.0 or later is required.
- Added a recovery mechanism for I²C failures. In case of an I²C communication failure, the system now automatically attempts to recover and reinitialize the I/O expander to maintain continuous operation.
- Added support for multiple lossless buffer configurations in PFC. The firmware now automatically calculates buffer sizes and maps priorities to their respective buffers.
- Access control was added to ensure that only the VHCA instance that created a DPA partition is permitted to modify or delete it.
- DPA TIMER functionality has been exposed through the MTCTR access register, allowing direct access by applications.
- A new DPA Manifest mechanism was introduced to define and manage application permissions.
- Enabled seamless metadata propagation across layers, allowing flow steering rules and packet processing logic to share contextual information such as flow identifiers, source context, or policy tags. It improves coordination between NIC and E-Switch pipelines, enabling more flexible traffic handling and advanced offload capabilities.
- Added support for parallel suspend operations across multiple VFs.
- Added the ability to enable or disable ECN in the upstream by allowing the MODIFY_CONG_STATUS and QUERY_CONG_STATUS commands in mlx5_fwctl.

- Firmware now allows the ADP-RETX timeout profile to be configured even when there are open QPs.
- Added support for using the real-time clock to fill the request and response timestamps in hardware-generated RTT packets. To enable this feature, set `REAL_TIME_CLOCK_ENABLE` in `mlxconfig` and configure `ROCE_CC_RTT_TIMESTAMP_FORMAT` to `0x02 (REAL_TIME)`.
- The SPDM (Security Protocol and Data Model) measurements reporting mechanism has been updated to comply with version 1.2.0 of the SPDM specification. For further information refer to <https://docs.nvidia.com/networking/display/dpunicattestation/connectx-7+measurements>
- Added support for warm boot when UPT VMs are active, allowing the system to reboot without requiring a full shutdown of running VMs.

Supported Devices and Features

HPE Part Number	NVIDIA InfiniBand Only Adapter	PSID
P45641-B21	HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter (P45641-B21 and P45641-H21)	MT_0000000970

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23

Version: 28.47.1026 (Recommended)

Important Note!

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

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

Choose the appropriate firmware file format based on your preference and what suits your environment.

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/connectx7firmwarev28471026/known-issues>

Fixes

The following issues have been fixed in version 28.47.1026:

- The `ZTR_RTTCC` algorithm parameters `AI` and `HAI` did not support a sufficient range.

- Coalescing regular SX events with SX RTT events under ZTR_RTTCC would keep improper event fields, which would impact congestion control behavior.
- Issue in the ZTR_RTTCC algorithm where probe-abortion handling would behave improperly under high-stress network conditions, affecting proper congestion control and stable traffic performance.
- An assertion failure that would occur with the E-Switch uplink in specific configurations where the e-switch was disabled and Path Migration was active or GVMIs were using SRQ loopback in SQs. The issue occurred because the firmware attempted to perform cleanup operations when the uplink configuration lacked sufficient capacity. Now, when the E-Switch is disabled and no actions are available in the uplink STE, the firmware connects to the uplink STE instead of copying it.
- MCTP SMBus configuration issue which affected proper initialization and reliable communication between firmware components using the SMBus transport.
- During failover or restart, the SM sending a PortInfo MAD to the HCA firmware triggered reinitialization of port buffers, momentarily halting ingress traffic and causing packet drops. The firmware now avoids reconfiguring port buffers when the new configuration matches the current one.
- Under the ZTR_RTTCC algorithm, a flow that reached its minimum rate due to heavy congestion would not recover its rate once the congestion cleared.
- Destroying or modifying a DPA partition from a non-owner VHCA was incorrectly allowed, such actions are now properly disallowed.
- PTP was not supported when the port speed was configured to 1G.

Enhancements

New features and changes included in version 28.47.1026:

- Added Scaling Factor "read" field. To obtain correct values in mlxlink, MFT version 4.33.0 or later is required.
- Added a recovery mechanism for I²C failures. In case of an I²C communication failure, the system now automatically attempts to recover and reinitialize the I/O expander to maintain continuous operation.
- Added support for multiple lossless buffer configurations in PFC. The firmware now automatically calculates buffer sizes and maps priorities to their respective buffers.
- Access control was added to ensure that only the VHCA instance that created a DPA partition is permitted to modify or delete it.
- DPA TIMER functionality has been exposed through the MTCTR access register, allowing direct access by applications.
- A new DPA Manifest mechanism was introduced to define and manage application permissions.
- Enabled seamless metadata propagation across layers, allowing flow steering rules and packet processing logic to share contextual information such as flow identifiers, source context, or policy tags. It improves coordination between NIC and E-Switch pipelines, enabling more flexible traffic handling and advanced offload capabilities.

- Added support for parallel suspend operations across multiple VFs.
- Added the ability to enable or disable ECN in the upstream by allowing the MODIFY_CONG_STATUS and QUERY_CONG_STATUS commands in mlx5_fwctl.
- Firmware now allows the ADP-RETX timeout profile to be configured even when there are open QPs.
- Added support for using the real-time clock to fill the request and response timestamps in hardware-generated RTT packets. To enable this feature, set REAL_TIME_CLOCK_ENABLE in mlxconfig and configure ROCE_CC_RTT_TIMESTAMP_FORMAT to 0x02 (REAL_TIME).
- The SPDM (Security Protocol and Data Model) measurements reporting mechanism has been updated to comply with version 1.2.0 of the SPDM specification. For further information refer to <https://docs.nvidia.com/networking/display/dpunicattestation/connectx-7+measurements>
- Added support for warm boot when UPT VMs are active, allowing the system to reboot without requiring a full shutdown of running VMs.

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45641-B23	HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter (P45641-B23 and P45641-H23)	MT_0000001120

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22

Version: 28.47.1026 (Recommended)

Important Note!

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

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

Choose the appropriate firmware file format based on your preference and what suits your environment.

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/connectx7firmwarev28471026/known-issues>

Prerequisites

FWPKG will work only if the iLO5 firmware version is 2.30 or higher.

Fixes

The following issues have been fixed in version 28.47.1026:

- The ZTR_RTTCC algorithm parameters AI and HAI did not support a sufficient range.
- Coalescing regular SX events with SX RTT events under ZTR_RTTCC would keep improper event fields, which would impact congestion control behavior.
- Issue in the ZTR_RTTCC algorithm where probe-abortion handling would behave improperly under high-stress network conditions, affecting proper congestion control and stable traffic performance.
- An assertion failure that would occur with the E-Switch uplink in specific configurations where the e-switch was disabled and Path Migration was active or GVMIs were using SRQ loopback in SQs. The issue occurred

because the firmware attempted to perform cleanup operations when the uplink configuration lacked sufficient capacity. Now, when the E-Switch is disabled and no actions are available in the uplink STE, the firmware connects to the uplink STE instead of copying it.

- MCTP SMBus configuration issue which affected proper initialization and reliable communication between firmware components using the SMBus transport.
- During failover or restart, the SM sending a PortInfo MAD to the HCA firmware triggered reinitialization of port buffers, momentarily halting ingress traffic and causing packet drops. The firmware now avoids reconfiguring port buffers when the new configuration matches the current one.
- Under the ZTR_RTTCC algorithm, a flow that reached its minimum rate due to heavy congestion would not recover its rate once the congestion cleared.
- Destroying or modifying a DPA partition from a non-owner VHCA was incorrectly allowed, such actions are now properly disallowed.
- PTP was not supported when the port speed was configured to 1G.

Enhancements

New features and changes included in version 28.47.1026:

- Added Scaling Factor "read" field. To obtain correct values in mlxlink, MFT version 4.33.0 or later is required.
- Added a recovery mechanism for I²C failures. In case of an I²C communication failure, the system now automatically attempts to recover and reinitialize the I/O expander to maintain continuous operation.
- Added support for multiple lossless buffer configurations in PFC. The firmware now automatically calculates buffer sizes and maps priorities to their respective buffers.
- Access control was added to ensure that only the VHCA instance that created a DPA partition is permitted to modify or delete it.
- DPA TIMER functionality has been exposed through the MTCTR access register, allowing direct access by applications.
- A new DPA Manifest mechanism was introduced to define and manage application permissions.

- Enabled seamless metadata propagation across layers, allowing flow steering rules and packet processing logic to share contextual information such as flow identifiers, source context, or policy tags. It improves coordination between NIC and E-Switch pipelines, enabling more flexible traffic handling and advanced offload capabilities.
- Added support for parallel suspend operations across multiple VFs.
- Added the ability to enable or disable ECN in the upstream by allowing the MODIFY_CONG_STATUS and QUERY_CONG_STATUS commands in mlx5_fwctl.
- Firmware now allows the ADP-RETX timeout profile to be configured even when there are open QPs.
- Added support for using the real-time clock to fill the request and response timestamps in hardware-generated RTT packets. To enable this feature, set REAL_TIME_CLOCK_ENABLE in mlxconfig and configure ROCE_CC_RTT_TIMESTAMP_FORMAT to 0x02 (REAL_TIME).
- The SPDM (Security Protocol and Data Model) measurements reporting mechanism has been updated to comply with version 1.2.0 of the SPDM specification. For further information refer to <https://docs.nvidia.com/networking/display/dpunicattestation/connectx-7+measurements>
- Added support for warm boot when UPT VMs are active, allowing the system to reboot without requiring a full shutdown of running VMs.

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P45642-B22	HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter (P45642-B22 and P45642-H22)	MT_0000001119

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter : HPE part numbers P65333-B21 and P65333-H21

Version: 28.47.1026 (Recommended)

Important Note!

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

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

Choose the appropriate firmware file format based on your preference and what suits your environment.

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/connectx7firmwarev28471026/known-issues>

Fixes

The following issues have been fixed in version 28.47.1026:

- The ZTR_RTTCC algorithm parameters AI and HAI did not support a sufficient range.
- Coalescing regular SX events with SX RTT events under ZTR_RTTCC would keep improper event fields, which would impact congestion control behavior.
- Issue in the ZTR_RTTCC algorithm where probe-abortion handling would behave improperly under high-stress network conditions, affecting proper congestion control and stable traffic performance.
- An assertion failure that would occur with the E-Switch uplink in specific configurations where the e-switch was disabled and Path Migration was active or GVMIs were using SRQ loopback in SQs. The issue occurred

because the firmware attempted to perform cleanup operations when the uplink configuration lacked sufficient capacity. Now, when the E-Switch is disabled and no actions are available in the uplink STE, the firmware connects to the uplink STE instead of copying it.

- MCTP SMBus configuration issue which affected proper initialization and reliable communication between firmware components using the SMBus transport.
- During failover or restart, the SM sending a PortInfo MAD to the HCA firmware triggered reinitialization of port buffers, momentarily halting ingress traffic

and causing packet drops. The firmware now avoids reconfiguring port buffers when the new configuration matches the current one.

- Under the ZTR_RTTCC algorithm, a flow that reached its minimum rate due to heavy congestion would not recover its rate once the congestion cleared.
- Destroying or modifying a DPA partition from a non-owner VHCA was incorrectly allowed, such actions are now properly disallowed.
- PTP was not supported when the port speed was configured to 1G.

Enhancements

New features and changes included in version 28.47.1026:

- Added Scaling Factor "read" field. To obtain correct values in mlxlink, MFT version 4.33.0 or later is required.
- Added a recovery mechanism for I²C failures. In case of an I²C communication failure, the system now automatically attempts to recover and reinitialize the I/O expander to maintain continuous operation.
- Added support for multiple lossless buffer configurations in PFC. The firmware now automatically calculates buffer sizes and maps priorities to their respective buffers.
- Access control was added to ensure that only the VHCA instance that created a DPA partition is

permitted to modify or delete it.

- DPA TIMER functionality has been exposed through the MTCTR access register, allowing direct access by applications.
- A new DPA Manifest mechanism was introduced to define and manage application permissions.
- Enabled seamless metadata propagation across layers, allowing flow steering rules and packet processing logic to share contextual information such as flow identifiers, source context, or policy tags. It improves

coordination between NIC and E-Switch pipelines, enabling more flexible traffic handling and advanced offload capabilities.

- Added support for parallel suspend operations across multiple VFs.
- Added the ability to enable or disable ECN in the upstream by allowing the MODIFY_CONG_STATUS and QUERY_CONG_STATUS commands in mlx5_fwctl.
- Firmware now allows the ADP-RETX timeout profile to be configured even when there are open QPs.
- Added support for using the real-time clock to fill the request and response timestamps in hardware-generated RTT packets. To enable this feature, set REAL_TIME_CLOCK_ENABLE in mlxconfig and configure

ROCE_CC_RTT_TIMESTAMP_FORMAT to 0x02 (REAL_TIME).

- The SPDM (Security Protocol and Data Model) measurements reporting mechanism has been updated to comply with version 1.2.0 of the SPDM specification. For further information refer to <https://docs.nvidia.com/networking/display/dpunicattestation/connectx-7+measurements>
- Added support for warm boot when UPT VMs are active, allowing the system to reboot without requiring a full shutdown of running VMs.

Supported Devices and Features

HPE Part Number	NVIDIA VPI Adapter	PSID
P65333-B21	HPE InfiniBand NDR200/Ethernet 200GbE 2-port QSFP112 PCIe5 x16 MCX755106AC-HEAT Adapter (P65333-B21 and P65333-H21)	MT_0000001108

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

Version: 22.46.3048 (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/connectx6dxfirmwarev22463048/known+issues>

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

The following issues have been fixed in version 22.46.3048:

- Configuring a small MTU led to fragmentation of packets critical for the PXE boot process. As a result, the PXE boot filters mistakenly discarded these packets, causing the PXE boot to fail.

Enhancements

New features and changes included in version 22.46.3048:

- Added support for RSS with crypto offload enabling the NIC to parallelize packet processing across CPU cores while performing encryption/decryption in hardware. Additionally, introduced a new `l4_type_ext` parameter with values: 0 (None), 1 (TCP), 2 (UDP), 3 (ICMP).
- Added an extra validation for the `payload_len` field in incoming NC-SI messages. Previously, invalid packets might have been accepted; now, such packets are silently dropped.
- This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your devices firmware to this release to improve the devices' firmware security and reliability.

Supported Devices and Features

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

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

Version: GPK8 (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 Reset issue and regular maintenance firmware update.

Enhancements

- Added support for SLES16

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

Version: GPK6 (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 Reset issue and regular maintenance firmware update

Enhancements

- Added support for SLES16

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

Version: GPK8 (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 Reset issue and regular maintenance firmware update

Enhancements

- Added support for SLES16

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

Version: HPK6 (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

- Previous firmware version HPK5 may cause Uncorrectable Machine Check Exception (UMCE) to occur. It is recommended to update firmware version to HPK6.

- For more information, CA is published at the following

URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00142315en_us

Enhancements

- Added support for SLES16

Online NVMe SSD Flash Component for Linux (x64) -MZXR800HBHQ-000H3,MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3,MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Drive

Version: MPK7825Q (F) (Recommended)

Important Note!

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

Fixes

- Fix for Uncorrectable Machine Check Exception (UMCE) issue which might occur.
- For more information, refer to HPE Customer Advisory at the following

URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00142315en_us

Enhancements

- Added support for SLES16

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

Version: HPK6 (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 ESXi 9.1

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

Version: GPK8 (B) (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 ESXi 9.1

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

Version: GPK6 (B) (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 ESXi 9.1

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

Version: GPK8 (B) (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 ESXi 9.1

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 Drive

Version: MPK7825Q (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 ESXi 9.1

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

Version: GPK8 (B) (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 Azure Local 24H2

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

Version: GPK6 (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 Reset issue and regular maintenance firmware update.

Enhancements

- Added support for Azure Local 24H2

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

Version: GPK8 (B) (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 Azure Local 24H2

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 Drives

Version: MPK7825Q (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 Azure Local 24H2

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

Version: HPK6 (C) (Recommended)

Important Note!

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

Fixes

Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.

Enhancements

- Added support for Azure Local 24H2

Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP

Version: HPK6 (Recommended)

Fixes

- Changes have been made in the 7500 firmware HPK6 over the previous firmware release to address Uncorrectable PCIe errors that are reported as ACS violations when Function Level Resets (FLR) are issued to the drive.

If this firmware is not updated, errors will be reported in HPE's iLO logging but there is no risk to user data or drive reliability.

Enhancements

- Disabled Latency Tolerance Reporting Feature
- Drop MCTP command when interrupted by a Function Level Reset (FLR)

Universal Firmware Package for Drives - MO001600KYFFF, MO003200KYFET, MO006400KYFEU, VO001920KYFFE, VO003840KYFEP, VO007680KYFEQ and VO015360KYFER

Version: HPK2 (Recommended)

Important Note!

Upgrading from HPK1 to HPK2 requires power cycle.

Fixes

- This is a maintenance release that contains code fix improvements and drive function enhancements. Upgrading from HPK1 to HPK2 requires power cycle.

Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA

Version: HPK5 (Recommended)

Fixes

- This firmware provides bug fixes for the P5620/P5520.

Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA

Version: HPK6 (Recommended)

Important Note!

PM9A3 does not support MCTP over PCIe due to a hardware limitation; therefore, updating FW using FWPKG does not work through the ILO GUI "Update Firmware" button.

Fixes

- This FW release modifies drive's behavior from "returning error" to "silently discard" if a request is received by drive from the host during FLR.

Universal Firmware Package for Drives - VR000480KXLXF

Version: HPK4 (Recommended)

Important Note!

- PM9A3 does not support MCTP over PCIe due to a hardware limitation; therefore, updating FW using FWPKG does not work through the ILO GUI "Update Firmware" button.

Fixes

- This FW update contains the fix for false ILO message of temporary drive "degraded" status.
- After the FW update, if the latest drive FW version is not correctly reflected in iLO under the scenarios outlined below, a system reboot or iLO reset may be required.
- HPK2 -> HPK4 (or later version)
- HPK3 -> HPK4 (or later version)

Universal Firmware Package for Drives - VR000480KYXPQ, VR000960KYXQA and VR001920KYXQB

Version: HPK2 (Recommended)

Fixes

- RSOD issue fixed. RSOD was occurred during server power-on if enable the VROC.

Universal Firmware Package for Drives - VR000960YYXPR

Version: HPK2 (Recommended)

Fixes

- RSOD issue fixed. RSOD was occurred during server power-on if enable the VROC.

Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP

Version: HPK6 (Recommended)

Fixes

- Firmware maintenance release.

Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN

Version: HPK8 (Recommended)

Fixes

- HPK8 is a planned maintenance release that follows HPK5. This is a recommended FW release that provides bug fixes for 15.36T, 7.68T, 3.84T (4K IU) Solid State Drives.
- For more information, refer to HPE Customer Advisory at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00150459en_us

Universal Firmware Package for Drives - VV030720KYNYP

Version: HPK6 (Recommended)

Fixes

- HPK6 is a planned maintenance release that follows the HPK3 FW release for 30.72TB (8K IU) Solid State Drive. This is a recommended FW release
- For more information, refer to HPE Customer Advisory at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00150459en_us

Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ

Version: HPK2 (Recommended)

Fixes

- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.

Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ

Version: HPK2 (Recommended)

Important Note!

HPK2 FW adding 15.36T HPE model number and not allowing user to flash back (flash downgrade) to prevent the issue on 15.36T drive.

Fixes

- This version of FW now supports the 15.36TB model and FW fixes of drive time-out/failures.

Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC

Version: HPK4 (Recommended)

Fixes

- Regular FW maintenance release for sanitize, DRAM and log page fix.

Universal Firmware Package for Drives - MO001600KYLEC, MO003200KYLHL, MO006400KYLHN, VO001920KYLEB, VO003840KYLHF, VO007680KYLHH and VO015360KYLHK

Version: HPK1 (Recommended)

Fixes

- This is a maintenance release that contains code fix improvements and drive function enhancements.

Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA

Version: HPK4 (Recommended)

Fixes

- Regular FW maintenance release for sanitize, DRAM and log page fix.

Universal Firmware Package for Drives - MV001600KYNVA, MV003200KYNVC, MV006400KYNVD, VV001920KYNVB, VV003840KYNVE, VV007680KYNVF and VV015360KYNVH

Version: HPK2 (Recommended)

Fixes

- This is a maintenance release that contains code fix improvements and drive function enhancements, which required one time power cycle.

Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV

Version: HPK3 (B) (Recommended)

Fixes

- Fix FW force update from iLO GUI or SPP (HPK3 --> HPK3)
- The FW address: PCIe link drop and Other regular FW patches release.

Universal Firmware Package for Drives - MV003200KYFFK, MV006400KYFFA, MV012800KYFFB, VV003840KYFFH, VV007680KYFFL and VV015360KYFEV

Version: HPK4 (Recommended)

Enhancements

This is a maintenance release that contains code fix improvements and drive function enhancements.

Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH

Version: HPK7 (Recommended)

Fixes

- Regular FW maintenance for fixing MCU,sanitize, DRAM and log page..etc.

Universal Firmware Package for Drives - MV003200LYJKH, MV006400LYJJK, VV007680LYJKF and VV015360LYXMT

Version: HPK4 (Recommended)

Fixes

- Regular FW maintenance release for sanitize, DRAM,DMA transfer and log page fix.

Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB

Version: HPS3 (Recommended)

Important Note!

There is a new FW HPS5 to fix a critical issue, here is the advisory in more detail.

- Advisory: HPE SSD – CUSTOMER ACTION REQUIRED to Prevent Potential System "No Boot" Error When SPDM Is Enabled on Certain Models of SSDs

Fixes

- Improvements to our out-of-band message handling to ensure robust device management capabilities
- Changes to improve our PCIe link compatibility as well as device reliability
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.

Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF

Version: HPK4 (Recommended)

Fixes

Changes and improvements that have been made in the firmware HPK4 which disable MCTP over PCIe VDM over the previous firmware.

Universal Firmware Package for Drives - VV001920KYMLU, VV003840KYMME, VV007680KYMMF and VV015360KYMMH

Version: HPK5 (Recommended)

Fixes

- Regular maintenance release including NAND logic enhancement, PLP management enhancement, NVMe MI enhancement, SMART 47/48 support, etc.

Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV

Version: HPK6 (Recommended)

Fixes

To eliminate the risk of gen drop issue.

Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (E) (Recommended)

Enhancements

Version 1.0.4 firmware

Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Version: 1.2.2 (G) (Recommended)

Important Note! Important Notes:

Ver. 1.2.2(G) contains updates to the firmware packaging and is functionally equivalent to ver. 1.2.2. It is not necessary to upgrade with Revision G if a previous component revision was used to upgrade the firmware to version 1.2.2.

This Linux component is compatible with Service Pack for ProLiant 2024.11.00.00 and later.

Deliverable Name:

Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Release Version:

1.2.2

Last Recommended or Critical Revision: This is the initial version of the firmware Previous Revision:

This is the initial version of the firmware

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

This is the initial version of the firmware.

Known Issues:

None

Prerequisites

The "iLO 6 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

Gen11 servers with Power-PIC solution (HPE ProLiant DL145 and DL20).

Enhancements Important Notes:

Ver. 1.2.2(G) contains updates to the firmware packaging and is functionally equivalent to ver. 1.2.2. It is not necessary to upgrade with Revision G if a previous component revision was used to upgrade the

firmware to version 1.2.2.

This Linux component is compatible with Service Pack for ProLiant 2024.11.00.00 and later.

Firmware Dependencies:

None

Enhancements/New Features:

This is the initial version of the firmware.

Known Issues:

None

Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (D) (Recommended)

Enhancements

Version 1.0.4 firmware

Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Version: 1.2.2 (D) (Recommended)

Important Note! Important Notes:

Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver. 1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.

Deliverable Name:

Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Release Version:

1.2.2

Last Recommended or Critical Revision: This is the initial version of the firmware Previous Revision:

This is the initial version of the firmware

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

This is the initial version of the firmware.

Known Issues:

None

Prerequisites

The "iLO 6 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant (SPP).

Gen11 servers with Power-PIC solution (HPE Proliant DL145 and DL20).

Enhancements Important Notes:

Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver. 1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.

Firmware Dependencies:

None

Enhancements/New Features:

This is the initial version of the firmware.

Known Issues:

None

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware

Version: 1.0.4 (Recommended)

Enhancements

Version 1.0.4 firmware

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Version: 1.2.2 (B) (Recommended)

Important Note! Important Notes:

None

Deliverable Name:

Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers

Release Version:

1.2.2

Last Recommended or Critical Revision: This is the initial version of the firmware Previous Revision:

This is the initial version of the firmware

Firmware Dependencies:

None

Enhancements/New Features:

None

Problems Fixed:

This is the initial version of the firmware.

Known Issues:

None

Prerequisites

Integrated Lights-Out 6 (iLO 6) Firmware.

Gen11 servers with Power-PIC solution (HPE Proliant DL145 and DL20).

Enhancements Important Notes:

None

Firmware Dependencies:

None

Enhancements/New Features:

This is the initial version of the firmware.

Known Issues:

None

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD9 (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

- Regular FW maintenance release.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDB (C) (Recommended)

Important Note!

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

Fixes

Fixes the Firmware version HPDB adds compatibility with the latest NAND generation for continuity of supply.

Enhancements

- Added support for SLES16

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

Version: HPD3 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (G) (Recommended)

Important Note!

- 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

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD6 (B) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Fixes

- Added fix to address a rare case where drive health queries can trigger false drive predictive failure.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD6 (B) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (H) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for SLES16.

Supported Devices and Features

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (H) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (G) (Recommended)

Important Note!

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

Enhancements

- Added support for SLES16.

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

Version: HPD6 (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 SLES16.

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

Version: HPD4 (E) (Recommended)

Important Note!

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

Enhancements

- Added support for SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive

Version: HPD4 (F) (Recommended)

Important Note!

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

Enhancements

- Added support for SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive

Version: HPDC (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 SLES16.

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

Version: HPD3 (F) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive

Version: HPD5 (G) (Recommended)

Important Note!

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

Fixes

- Firmware addresses a hot plug reporting concern

Enhancements

- Added support for SLES16

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

Version: HPD8 (E) (Recommended)

Important Note!

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

Fixes

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

Enhancements

- Added support for SLES16

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

Version: HPD9 (B) (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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.1

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

Version: HPD6 (B) (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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Enhancements

- Added Support for ESXi 9.1

Supported Devices and Features

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (D) (Recommended)

Important Note!

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

Enhancements

- Added Support for ESXi 9.1

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

Version: HPD6 (B) (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 ESXi 9.1

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

Version: HPD3 (C) (Recommended)

Important Note!

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

Enhancements

- Added Support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (F) (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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD5 (F) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD6 (B) (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 ESXi 9.1

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

Version: HPDB (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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (D) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (D) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.1

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

Version: HPD4 (D) (Recommended)

Important Note!

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

Enhancements

- Added Support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive

Version: HPD4 (D) (Recommended)

Important Note!

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

Enhancements

- Added Support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive

Version: HPDC (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 ESXi 9.1

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

Version: HPD3 (D) (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 ESXi 9.1

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

Version: HPD8 (D) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.1

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD9 (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

- Regular FW maintenance release.

Enhancements

- Added support for Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD6 (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

- This maintenance revision improves overall drive performance.
- The risk of not upgrading to this firmware is the increased possibility of Drive hang-up in certain error and timing conditions.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDB (C) (Recommended)

Important Note!

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

Fixes

Fixes the Firmware version HPDB adds compatibility with the latest NAND generation for continuity of supply.

Enhancements

- Added support for Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Fixes

- Added fix to address a rare case where drive health queries can trigger false drive predictive failure.

Enhancements

- Added support for Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD6 (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

- Firmware changes aligned for future FIPS code release and one assert fix.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (E) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives

Version: HPD5 (B) (Recommended)

Important Note!

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

Fixes

- Firmware changes aligned for future FIPS code release and one assert fix.

Enhancements

- Added support for Azure Local 24H2.

Supported Devices and Features

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (E) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (E) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2.

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

Version: HPD6 (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

- A Drive Firmware enhancement has been made to reduce the probability of infrequent, unexpected power loss on some backed drives in Primera 600 LFF enclosure.

Enhancements

- Added support for Azure Local 24H2.

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

Version: HPD4 (D) (Recommended)

Important Note!

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

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive

Version: HPD4 (D) (Recommended)

Important Note!

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

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive

Version: HPDC (C) (Recommended)

Important Note!

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

Fixes

- This maintenance revision improves data integrity.
- The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

Enhancements

- Added support for Azure Local 24H2.

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

Version: HPD3 (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

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Local 24H2.

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

Version: HPD3 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (F) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive

Version: HPD5 (F) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2

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

Version: HPD8 (D) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Local 24H2

Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR

Version: HPD3 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MB004000JWZVU

Version: HPD3 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MB020000JXMVU

Version: HPD1 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD

Version: HPD3 (Recommended)

Fixes

- Regular FW fix on assert, time-out, error log several fixes

Enhancements

- RPM data missing from iLO GUI (Can't downgrade backward to HPD1)

Universal Firmware Package for Drives - MB24000JYEVE

Version: HPD3 (Recommended)

Fixes

- Regular FW fix on assert, time-out, error log several fixes

Enhancements

- RPM data missing from iLO GUI (Can't downgrade backward to HPD1)

Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE

Version: HPD5 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD

Version: HPD4 (B) (Critical)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTN, VO007680PXMTT and VO015360PXMTU

Version: HPD4 (Recommended)

Fixes

- Fix chip kill -The host IO CMD may get timed out and shows SNS=04/40/C2
- Fix garbage collection checking for performance recovery.

Universal Firmware Package for Drives - MO001600PXVRU, VO003840PXVRR and VO007680PXVRT

Version: HPD3 (Recommended)

Fixes

- Fix chip kill -The host IO CMD may get timed out and shows SNS=04/40/C2.

Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA

Version: HPD4 (Critical)

Fixes

- This is a firmware maintenance release. It addresses a potential data loss issue, along with other bug fixes and improvements.
- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpsc/doc/public/display?docId=a00150711en_us.

Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU

Version: HPD4 (Critical)

Fixes

- This is a firmware maintenance release. It addresses a potential data loss issue, along with other bug fixes and improvements.
- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpsc/doc/public/display?docId=a00150711en_us.

Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU

Version: HPD1 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

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

Version: HPG3 (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (O) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive

Version: HPG1 (N) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive

Version: HPG1 (N) (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 SLES16.

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

Version: HPG3 (B) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZVU, MB016000GZVU and MB018000GYCLL Drives

Version: HPG4 (E) (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 SLES16.

Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive

Version: HPG5 (Recommended)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (F) (Recommended)

Important Note!

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

Fixes

- Improve the FW about data mismatch after SPL issued

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (F) (Recommended)

Important Note!

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

Fixes

- Fix contains optimization to increase the time for Recovery operation and few checks for maintenance.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive

Version: HPG6 (G) (Recommended)

Important Note!

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

Fixes

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive

Version: HPG9 (G) (Recommended)

Important Note!

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

Fixes

Fixes an intermittent issue where the incorrect model number can be reported during spin-up.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives

Version: HPG7 (F) (Recommended)

Important Note!

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

Fixes

Fixes a false indication of rare capacitor test failure

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (F) (Recommended)

Important Note!

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

Fixes

- Fix contains optimization to increase the time for Recovery operation and few checks for maintenance.

Enhancements

- Added support for SLES16

Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (F) (Recommended)

Important Note!

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

Fixes

- Improve the FW about data mismatch after SPL

Enhancements

- Added support for SLES16

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

Version: HPG3 (B) (Recommended)

Important Note!

- 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 ESXi 9.1

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

Version: HPG3 (C) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (L) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

Version: HPG1 (L) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive

Version: HPG1 (L) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

Enhancements

- Added Support for ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (D) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive

Version: HPG5 (B) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (D) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.

Version: HPG1 (D) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive

Version: HPG6 (F) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive

Version: HPG9 (F) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives

Version: HPG7 (E) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.

Version: HPG1 (D) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (D) (Recommended)

Important Note!

- 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 ESXi 9.1

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (K) (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 Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPG1 (K) (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 Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive

Version: HPG1 (K) (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 Azure Local 24H2.

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

Version: HPG3 (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

- Regular Firmware changes included:

- Corner case performance enhance.
- Servo change that resolves issue with early heat application from Idle sweep seek terminated that may cause read errors.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZVVU, MB016000GZVUV and MB018000GYCLL Drives

Version: HPG4 (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

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive

Version: HPG5 (Recommended)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

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

Version: HPG3 (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 Azure Local 24H2.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives

Version: HPG3 (D) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRБ, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (D) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

Version: HPG6 (E) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive

Version: HPG9 (E) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives

Version: HPG7 (E) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (D) (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 Azure Local 24H2

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives

Version: HPG3 (D) (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 Azure Local 24H2

Universal Firmware Package for Drives - MB004000GWZVT

Version: HPG3 (Recommended)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH

Version: HPG3 (Recommended)

Fixes

Regular FW fix on assert, time-out, error log several fixes.

Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD

Version: HPG4 (Recommended)

Fixes

- Firmware changes aligned for FIPS code release and one assert fix

Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN

Version: HPG3 (Recommended)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.

Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN

Version: HPG4 (Recommended)

Fixes

- Firmware changes aligned for FIPS code release and one assert fix

Universal Firmware Package for Drives - MB24000GYEVK

Version: HPG3 (Recommended)

Fixes

- Regular FW fix on assert, time-out, error log several fixes.

Universal Firmware Package for Drives - MK000480GXNXB, MK000960GXNZK, MK001920GXNZL, MK003840GXNZN, VK000240GXNWU, VK000480GXNZA, VK000960GXNZB, VK001920GXNZC, VK003840GXNZD, VK007680GXNZE, VK000480SXNWV, VK001920SXNZF, MK000960SXNXC and MK001920SXNZP

Version: HPG1 (Recommended)

Fixes

- Improve FW handling on capacitor charge timeout mechanism
- Change the sense code during download microcode (0E)

Universal Firmware Package for Drives -

MK000480GYCNT ,MK000960GYCNP,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE,VR000240GXPQT and VR000480GXPQU

Version: HPG4 (Recommended)

Fixes

- This is a planned maintenance release covering bug fixes. This firmware includes updates to improve PLI circuit reliability.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers

Version: 8.00 (Recommended)

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- For Windows 2016 driver, please use 1010.84.0.1012 in below link:
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- For Windows 2019 driver, please use 1016.10.0.1004 in below link:
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Fixes

- Fixed an issue that prevented drive rebuilds from restarting after unexpected power loss when media exchange was accepted in auto-replace spare configurations.
- Fixed an issue that caused auto-replace spare activation during the LOOSE_CABLE state, which could swap data drives prematurely and lead to volume failure and potential data integrity issues.
- Fixed an issue where IOPS could drop on large-capacity HDDs during Consistency Check under 4K random write workloads in RAID 1 configurations.
- Fixed an issue no-battery write cache (NBWC) can be enabled by the user in the event of a battery failure, unless the cache module itself is experiencing an error.
- Fixed an issue where ATA passthrough IDENTIFY DEVICE (0xEC) commands issued from BMC could time out due to incorrect transfer length handling.
- Fixed an issue where SSD array creation with non-deterministic drive ordering could incorrectly disable Accelerated IO on some drives, leading to performance degradation.
- Fixed an issue where the fault LED did not illuminate for a hot-removed data drive during RAID rebuild with auto replace spare enabled.
- Fixed an issue where the system could become unresponsive with lockup code as 0x1E00 when multiple out-of-band management requests were sent concurrently for the same session.
- Fixed an issue where failed or missing drives were not correctly indicated when listing drives in the HII disk utilities menu.
- Fixed an issue where PLDM Type 6 volume creation could fail on certain controllers that do not support volume caching or the IOPerfModeEnabled feature. Volume creation and update requests that explicitly disable these features (for example, setting cache policies to Off or IOPerfModeEnabled to false) are now handled correctly and will no longer be rejected.
- Fixed an issue where RDE READ could incorrectly report a split mirror backup volume as Enabled instead of StandbyOffline when the original primary volume was created via RDE CREATE. Volume usage identification was corrected to ensure accurate status reporting.
- Fixed an issue where DriveMetrics.PowerOnHours could be incorrectly reported as zero for SSDs on certain platforms. Power-on hours reporting was updated by drive type, NVMe drives reporting with DriveMetrics.NVMeSMART.PowerOnHours, SAS and SATA HDDs reporting a null value.

Enhancements

- Logical drive information menu: Enhanced to display the association between failed data drives and active spares upon drive failure.
- "Added support for the standardized Operation property in PLDM Operations arrays, providing schema-defined operation enums as below:
 - Drive Resource — Rebuild/Sanitize/Encrypt
 - Volume Resource — Initialize/Rebuild/Encrypt/ChangeRAIDLayout/ChangeStripSize/Resize. The legacy OperationName property remains available and is now marked as deprecated."
- Added support for StorageController status conditions ResetRecommended and ResetRequired. When configuration changes require a system reboot to take effect, the controller reports the status through both Status.Conditions and Redfish event messages.
- Enhanced RDE error messaging to provide clearer error descriptions for Volume DELETE and SED-enabled CREATE operations, returning detailed messages directly in the response payload instead of generic ExtendedInfo references.

Firmware Package - HPE Gen12 Boot Controller NS204i-u, HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1026 (Recommended)

Important Note!

- 1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel Gen12 platforms. Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure.
- <https://www.hpe.com/global/swpublishing/MTX-c75706b8a59d4d8aabc4e4cc30>
- For Gen10 plus server users, the NS204i firmware has to be 1.2.14.1018 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.2.14.1018 in below link:
- Windows: <https://www.hpe.com/global/swpublishing/MTX-84a4e0bb354f48eaa65cf9451>
 - Linux: <https://www.hpe.com/global/swpublishing/MTX-b6448d485ca64fd7a5d0d5f75e>
 - VMware: <https://www.hpe.com/global/swpublishing/MTX-ad49b1acb0d4455c86460c727a>

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 and Gen12 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

To mitigate the symptom - After an HPE NS204i device firmware update to version 1.2.14.1022 or later, the Drive Messages may appear for HPE Gen11 or Gen12 Server Systems with NVMe SSDs Attached to HPE NS204i Devices.

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and

MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.

- Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
 - Add support for UBM11 backplane
 - Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
 - Refine the message on HII prereview configuration for the foreign import
 - Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
 - Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPKiBytes, WriteIOPKiBytes, PowerOnHours, NVMeSMART

(MVMesSMART attributes are supported for NVMe drive only)

- EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
- VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
- Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
- Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR408i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish

- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane

- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR408i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update

- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-o Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and

MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.

- Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
 - Add support for UBM11 backplane
 - Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
 - Refine the message on HII prereview configuration for the foreign import
 - Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
 - Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller

Version: 52.36.3-6584 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-p Gen11 Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPKiBytes, WriteIOPKiBytes, PowerOnHours, NVMeSMART

(MVMesSMART attributes are supported for NVMe drive only)

- EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
- VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
- Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
- Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- Add support for UBM11 backplane
- Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- Refine the message on HII prereview configuration for the foreign import
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.44.040 (Recommended)

Important Note!

- HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- For Windows 2016 driver, please use 1010.84.0.1012 in below link:
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- For Windows 2019 driver, please use 1016.10.0.1004 in below link:
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>

Fixes

- Fixed an issue that prevented drive rebuilds from restarting after unexpected power loss when media exchange was accepted in auto-replace spare configurations.
- Fixed an issue that caused auto-replace spare activation during the LOOSE_CABLE state, which could swap data drives prematurely and lead to volume failure and potential data integrity issues.
- Fixed an issue where suspending the controller password could fail due to an incorrect status update.
- Fixed an issue where missing spares were not correctly identified for NVMe logical drives, which could prevent automatic rebuild

- Fixed an issue that could cause inconsistent data behavior immediately after driver initialization under specific I/O conditions.
- Fixed an issue where valid NVMe pass-through commands could fail due to incorrect transfer size validation.
- Fixed an issue where IOPS could drop on large-capacity HDDs during Consistency Check under 4K random write workloads in RAID 1 configurations.
- Fixed an issue no-battery write cache (NBWC) can be enabled by the user in the event of a battery failure, unless the cache module itself is experiencing an error.
- Fixed an issue where ATA passthrough IDENTIFY DEVICE (0xEC) commands issued from BMC could time out due to incorrect transfer length handling.
- Fixed an issue where SSD array creation with non-deterministic drive ordering could incorrectly disable Accelerated IO on some drives, leading to performance degradation.
- Fixed an issue where the fault LED did not illuminate for a hot-removed data drive during RAID rebuild with auto replace spare enabled.
- Fixed an issue where controller settings stored in NVRAM could revert to factory defaults after a host power cycle.
- Fixed an issue where NVMe I/O command responses could fail to be returned to the host when using high PCIe address ranges.
- Fixed an issue where failed or missing drives were not correctly indicated when listing drives in the HII disk utilities menu.
- Fixed an issue where PLDM Type 6 volume creation could fail on certain controllers that do not support volume caching or the IOPerfModeEnabled feature. Volume creation and update requests that explicitly disable these features (for example, setting cache policies to Off or IOPerfModeEnabled to false) are now handled correctly and will no longer be rejected.
- Fixed an issue where RDE READ could incorrectly report a split mirror backup volume as Enabled instead of StandbyOffline when the original primary volume was created via RDE CREATE. Volume usage identification was corrected to ensure accurate status reporting.
- Fixed an issue where DriveMetrics.PowerOnHours could be incorrectly reported as zero for SSDs on certain platforms. Power-on hours reporting was updated by drive type, NVMe drives reporting with DriveMetrics.NVMeSMART.PowerOnHours, SAS and SATA HDDs reporting a null value.

Enhancements

- Improved SATA drive identification by using the drive-reported WWN from IDENTIFY DEVICE after the PQI driver is loaded.
- Updated NVMe drive startup handling to allow up to 60 seconds for drives to become ready after shutdown or power events.
- Updated the open source mbedTLS library to version 3.6.4.
- Added support for Write Buffer 16 to enable larger NVMe firmware downloads.
- HII disk utilities menu: Added NVMe drive Maximum Data Transfer Size (MDTS) visibility and updated default stripe size help text to consider MDTS limits, improving guidance for selecting compatible stripe settings.

- Logical drive information menu: Enhanced to display the association between failed data drives and active spares upon drive failure.
- "Added support for the standardized Operation property in PLDM Operations arrays, providing schema-defined operation enums as below:
 - Drive Resource — Rebuild/Sanitize/Encrypt
 - Volume Resource — Initialize/Rebuild/Encrypt/ChangeRAIDLayout/ChangeStripSize/Resize. The legacy OperationName property remains available and is now marked as deprecated."
- Added support for StorageController status conditions ResetRecommended and ResetRequired. When configuration changes require a system reboot to take effect, the controller reports the status through both Status.Conditions and Redfish event messages.
- Enhanced RDE error messaging to provide clearer error descriptions for Volume DELETE and SED-enabled CREATE operations, returning detailed messages directly in the response payload instead of generic ExtendedInfo references.

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 14.4.731.10 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers.

Release notes:

Broadcom Release notes

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0

Added Following Enhancements:

[RedFish]:HPE specific SFP Data - Predicted days for non working stage [Redfish]: API to read SFP Data

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Prerequisites

The minimum version for adapter to support PLDM is 14.0.499.25

Fixes

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.731.10	14.4.731.10	14.4.716.0	14.4.718.0

Added Following Enhancements:

[RedFish]:HPE specific SFP Data - Predicted days for non working stage [Redfish]: API to read SFP Data

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 02.11.01 (Recommended)

Important Note!

Release Notes:

HPE QLogic Adapters Release Notes

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.01	09.15.05	7.39	0.0

Fixed the following:

- BitLocker recovery is triggered during POST due to an option ROM verification failure on the Marvell adapter, preventing system to boot to Windows OS.

Fixes

Fixed the following:

- BitLocker recovery is triggered during POST due to an option ROM verification failure on the Marvell adapter, preventing system to boot to Windows OS.

Enhancements

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.11.01	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.11.01	09.15.05	7.39	0.0

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

Firmware Package - UBM10 Backplane PIC PLDM Firmware

Version: 1.04 (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM10 firmware when Backplane direct attached the the server.

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen12 servers iLO 6 version 1.62 or later is required

Enhancements

- Remove the 0xC2 address to allow iLO to handle the MCTP discovery workaround.

Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10P/Gen11/Gen12 servers usage

Version: 1.24 (G) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM4 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.62 or later is required for Gen12 servers
- iLO 6 version 1.10 or later is required for Gen11 servers
- iLO 5 version 2.72 or later is required for Gen10 Plus servers

Enhancements

- Support Gen12 servers.

Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage

Version: 1.16 (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM5 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) on HPE Alletra 4120 Server
- PLDM FWPKG component can be supported installation of UBM5 firmware when direct attached the the server

Prerequisites

iLO 6 version 1.10 or later is required.

Fixes

- Fixed an issue with PWDIS that could cause errors.
- Resolved a problem where adding drives to bays 11 and 12 caused resets or missing drives.

Enhancements

- Improved DFC settings to ensure proper operation and accurate data reading.
- Enhanced SES functionality so certain settings remain unchanged.

Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage

Version: 1.06 (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM6 firmware when attached to HPE SR416i/SR932 controllers(Firmware version 3.01.09.056 or later is need) or HPE Smart Array controllers (Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.62 or later is required for Gen12 servers
- iLO 6 version 1.10 or later is required for Gen11 servers
- iLO 5 version 2.72 or later is required for Gen10P servers

Enhancements

- Disable UBM long reset

Firmware Package - UBM7 Backplane PIC PLDM Firmware

Version: 1.10 (B) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM7 firmware when Backplane direct attached the the server
- PLDM FWPKG component has minimum supports installation receipe of UBM7 firmware when attached to HPE SR416/SR932(Controller Firmware version 03.01.23.072 or later is need)

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.

Enhancements

Support SY480 Gen12 server.

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.069.0 (Recommended)

Important Note! Important Notes:

This version of the Server Platform Services (SPS) Firmware contains the latest package for the Intel Xeon E-2400 series processors. This version of the SPS 06.03.04.058.0 (2.20_03_03_2025) should be paired with System ROM 2.20_03-21-2025.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

Server Platform Services (SPS) Firmware for HPE ProLiant DL20 Gen11/ML30 Gen11/MicroServer Gen11 Servers

Release Version:

06.03.04.058.0

Last Recommended or Critical Revision:

06.03.04.058.0

Previous Revision:

06.03.04.048.0

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with Intel Catlow RPL-E Refresh MR1 Unify BKC guidance.

Problems Fixed:

Addressed an issue where the system may encounter reset loop after updating ME/SPS firmware using smart components.

Known Issues:

None

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.069.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.215.0 (Recommended)

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.069.0 (Recommended)

Important Note! Important Notes:

This version of the Server Platform Services (SPS) Firmware contains the latest package for the Intel Xeon E-2400 series processors. This version of the SPS 06.03.04.058.0 (2.20_03_03_2025) should be paired with System ROM 2.20_03-21-2025.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

Server Platform Services (SPS) Firmware for HPE ProLiant DL20 Gen11/ML30 Gen11/MicroServer Gen11 Servers

Release Version:

06.03.04.058.0

Last Recommended or Critical Revision:

06.03.04.058.0

Previous Revision:

06.03.04.048.0

Firmware Dependencies:

None

Enhancements/New Features:

This version is in compliance with Intel Catlow RPL-E Refresh MR1 Unify BKC guidance.

Problems Fixed:

Addressed an issue where the system may encounter reset loop after updating ME/SPS firmware using smart components.

Known Issues:

None

Fixes

Resolved various issues to improve system stability and performance.

Enhancements

Resolved various issues to improve system stability and performance.

HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)

Version: 6.1.0.0 (A) (Optional)

Prerequisites

For Integrated Lights-Out 5, this utility requires minimum firmware revision 1.20 or later.

The management interface driver and management agents must be installed on the server. For iLO 5 or later, openssl v1.0.x or later is required in addition to above packages.

Customers who manually compile and install openssl or intentionally relocate

/usr/bin/openssl, need to set PATH environment variable to direct HPONCFG to the right/intended openssl.

Fixes

None

Enhancements

Added support for Red Hat Enterprise Linux 10

HPE Lights-Out Online Configuration Utility for Windows x64 Editions

Version: 6.0.0.0 (B) (Recommended)

Important Note!

RIBCL and the scripting tools including HPQLOCFG, HPE Lights-Out XML PERL Scripting Sample for Linux

(includes LOCFG.PL), HPE Lights-Out XML Scripting Sample for Windows, HPONCFG for Windows, HPONCFG for Linux, and HPLOMIG have entered the sustenance stage. HPE will now provide only critical bugs and security fixes for RIBCL and the scripting tools. Hewlett Packard Enterprise recommends using the iLOREST Tool (Download Pages and User Guide) or iLO RESTful API

Prerequisites

This utility requires the following minimum firmware revisions:

- Integrated Lights-Out 4 firmware v1.00 or later
- Integrated Lights-Out 5 firmware v1.30 or later
- Integrated Lights-Out 6 firmware v1.10 or later

The management interface driver must be installed on the server.

Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

Fixes

Bundled the latest Smart Component Tool version to ensure Seamless Signing with appropriate Digital Certificate.

Enhancements

None

HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0

Version: 2026.03.00 (Recommended)

Enhancements

Added support for vSphere 9.1 OS

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

Version: 2026.03.01 (Recommended)

Important Note!

- Actual ESXi8.0 ssacli version is 6.60.8.0

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers

Version: 2026.03.01 (Recommended)

Important Note!

- Actual ESXi9.0 ssaccli version is 6.60.11.0
- Due to VMware upgrade constraints, the SSA CLI package version (6.60.11) differs from the internal version (6.60.9). This is expected behavior.

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)

Version: 2026.03.01 (Recommended)

Important Note!

- Actual ESXi Version is 0007.3604.0000.0000

Fixes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix an issue that PSOC update is not allowing when the part number is beyond 65535

Enhancements

- Return error when enabling encryption with 256 characters for keyid in Drive Security command
- Display the controller serial number as "NA" when not programmed

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2026.04.01 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. 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.

This driver is only supported on VMware ESXi 8.0u3.

Prerequisites

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

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

Enhancements

Driver version 5.4.86.0-1

This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

HPE QLogic Fibre Channel driver component for VMware vSphere 9.0

Version: 2026.04.01 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. 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.

This driver is only supported on VMware ESXi 9.0

Prerequisites

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

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

Enhancements

Driver version 5.5.86.1

This driver is only supported on VMware ESXi 9.0

Supported Devices and Features

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

32Gb Fibre Channel Host Bus Adapter:

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

64Gb Fibre Channel Host Bus Adapter:

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

Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server

Version: 4.6.0 (Recommended)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus and later Server Generations.
- amsd provides information to the iLO 5, iLO 6 and iLO 7 service providing SNMP support
- For HPE servers with iLO 7:

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure.

Fixes

See the AMS Release Notes for information about the issues resolved in this release

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

Agentless Management Service for Microsoft Windows x64

Version: 4.70.0.0 (Recommended)

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 iLO6 firmware version 1.1 and newer.
 - When in iLO6 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.

For HPE servers with iLO7:

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure.

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers

Version: 2026.03.01 (Recommended)

Prerequisites

For HPE servers with iLO 7:

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure

Fixes

See the AMS Release Notes for information about the issues resolved in this release.

Enhancements

See the AMS Release Notes for information about the issues resolved in this release.

HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for MR Controllers)

Version: 8.16.13.0 (Recommended)

Fixes

- Fix an issue that MRSA return " Error Code 5002 Invalid URI Parameter" when selecting Continuously in Schedule Consistency Check setting

Enhancements

- Support MR200, MR400 and MR900 controllers
- Enhance the MRSA Bypass Authentication mechanism so that the configuration is allowed only when logged in as an administrator or root
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- Return error when enabling encryption with 256 characters for Security Key Identifier in Drive Security setting

HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10P and Gen11 Controllers)

Version: 007.3604.0000.0000 (Recommended)

Fixes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix an issue that PSOC update is not allowing when the part number is beyond 65535

Enhancements

- Return error when enabling encryption with 256 characters for keyid in Drive Security command
- Display the controller serial number as "NA" when not programmed

HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)

Version: 7.3604.0.0 (Recommended)

Fixes

- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix an issue that PSOC update is not allowing when the part number is beyond 65535

Enhancements

- Return error when enabling encryption with 256 characters for keyid in Drive Security command
- Display the controller serial number as "NA" when not programmed

Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (Recommended)

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (Recommended)

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (Recommended)

Prerequisites

The Smart Storage Administrator for Linux requires the System Management Homepage software to be installed on the server. If the System Management Homepage software is not already installed on your server, please download it from HPE.com and install it before installing the Smart Storage Administrator for Linux.

IMPORTANT UPDATE: SSA (GUI) for Linux can now be run without requiring the System Management Homepage. SSA now supports a Local Application Mode for Linux. The System Management Homepage is still supported, but no longer required to run the SSA GUI. To invoke, enter the following at the command prompt:

```
ssa -local
```

The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

Enhancements

- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (Recommended)

Enhancements

- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (Recommended)

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares

- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.60.8.0 (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).

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

HPE MegaRAID Storage Administrator for RHEL9 ,SLES15 and SLES16 (HPE MRSA for MR Controllers)

Version: 8.16.13.0 (Recommended)

Prerequisites

- For SLES15 and above platforms, one of the dependent rpms - 'insserv-compat' is required during installation/uninstallation. This is needed because MRSA startup script is based on SysV/init script and insserv adds as a bridge between SysV/init script and systemctl.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.

Fixes

- Fix a00155532en_us Advisory: HPE MR Storage Administrator (MRSA) - The MRSA Application Fails To Launch In SUSE Linux Enterprise Server (SLES) 16 After A Server Reboot
- Fix an issue that MRSA return " Error Code 5002 Invalid URI Parameter" when selecting Continuously in Schedule Consistency Check setting

Enhancements

- Support MR200, MR400 and MR900 controllers
- Enhance the MRSA Bypass Authentication mechanism so that the configuration is allowed only when logged in as an administrator or root
- Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic

Erase

- Return error when enabling encryption with 256 characters for Security Key Identifier in Drive Security setting