

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 7.43 7

Readme

2025年5月

1. はじめに

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

1.1 他社所有名称に対する表示

HITACHI は、株式会社 日立製作所の商標または登録商標です。

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

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

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

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

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

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

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1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れますとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for HA8000V 並びに本書の全部又は一部を単独で又は他の情報等と組み合わせ、直接又は間接に以下に該当する取扱いをする場合、「外国為替及び外交貿易」の規制及び米国輸出管理規制等外国の輸出関連法規を確認し、適正な手続きを行う必要があります。
 - 輸出するとき。
 - 海外へ持ち出すとき。
 - 非居住者へ提供し、又は使用させるとき。
 - 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。
- (7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも含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
2025年5月	初版

2. Service Pack for HA8000V (SPH)について

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

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

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

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

3. 適用機種及びOS

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

3.1 適用機種

- HA8000V/DL20 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
- Microsoft® Windows Server® 2019
- Red Hat® Enterprise Linux® Server 9.4
- Red Hat® Enterprise Linux® Server 8.10
- 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 9.4
- Red Hat® Enterprise Linux® Server 8.10

(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

- Red Hat® Enterprise Linux® Server 8.9
- VMware ESXi™ 7.0

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トールを指定するには、次の手順により行います。

GUI の場合：

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

CLI の場合：

"--softwareonly"パラメータを使用してください。

例) # ./smartupdate --s --softwareonly

5.3 SUM によるアップデート時の注意事項

(1) ファームウェア/ドライバの依存関係について

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

GUI の場合：

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

CLI の場合：

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

例) # ./smartupdate --report

(2) 適用バージョンについて

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

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

【手動適用方法】

SUM を起動し、「展開サマリー(Deployment summary)」画面で、「コンポーネントの選択状態」が「選択」

表示(※)となっているコンポーネントを確認し、ネットワークアダプタファームウェアまたは、ファイバーチャネルホストバスアダプタのファームウェアの場合は、当該コンポーネントを選択(※)して、“展開 (Deploy)”ボタンを押してください。

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

【注意】

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

(3) SUM の展開モードに関する補足説明

SUM にはいくつかのアップデート方法(展開モード)があります。展開モードにより、対象 OS/更新対象が異なりますので、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。

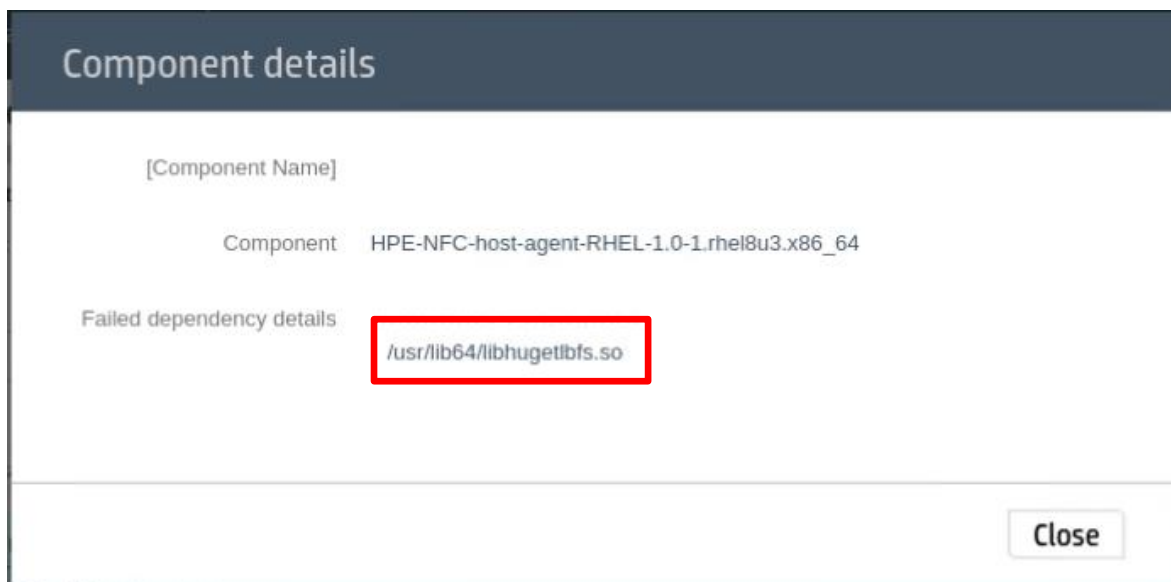
なお、依存する os ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【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
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上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、“Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



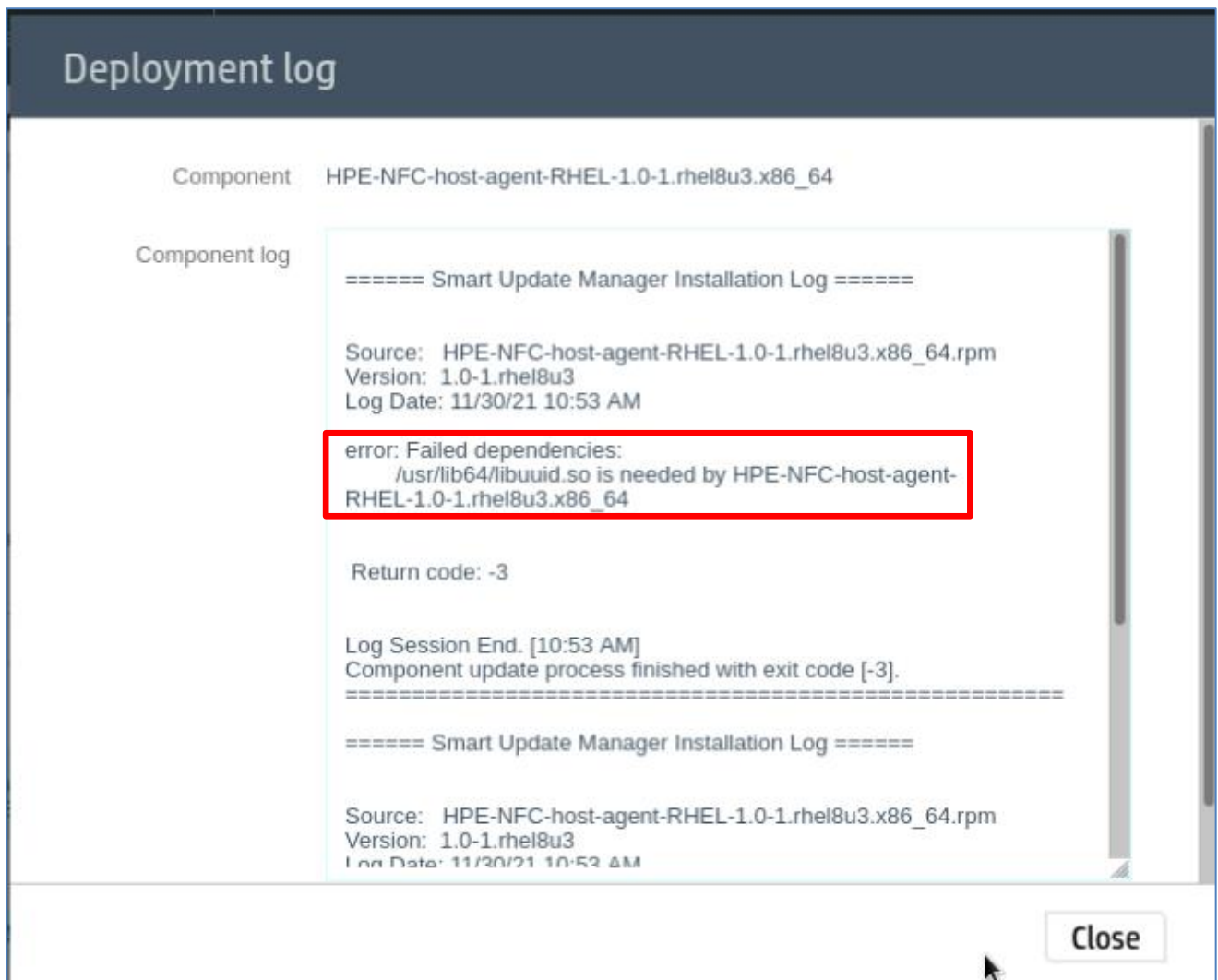
上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。

【展開(Deploy)完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



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



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

(6) iLO レポジトリを利用したアップデートについて

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

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

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

【エラーが発生した場合のインストールキューの状態】

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

す。

✖

ファームウェアアップデート

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

✕

🗑

ファームウェア & OSソフト... - インストールキ...

● ● ● ● ● ● ?

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

インストールキュー

iLO日付/時刻(UTC): 2021-12-01 13:09

状態

名前

開始

失効

+

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

🗑 すべて削除

⚡ ファームウェアのアップデート

📶 iLOレポジトリにアップロード

📋 キューに追加

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

(7) SUM 実行でのインベントリ失敗時の対応について

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

【インベントリ失敗時の表示例】

手順 1
インベントリ

手順 2
レビュー

手順 3
展開

ベースラインおよびノードのインベントリ

▼ ベースラインのインベントリ

■ Service Pack for HA8000V

ベースラインが正常に追加されました

コンポーネント合計 332

▼ ローカルホストのインベントリ

● localhost

ノードインベントリが失敗

現在操作を実行できません。理由: iLOからRISデータをフェッチ中

次へ

中止

最初からやり直す

再起動

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

- (1) iLO の再起動（リセット）を実施してください。詳細は『iLO 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、「[日立アドバンストサーバー 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。

5.4 SUM でのランゲージパックバージョン表示と適用について

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

また、この結果、SUM でランゲージパックが適用対象として正しく選択されない可能性があります。

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

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

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

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

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

※：対象ノードが VMware の場合は使用不可

【iLO WEB インタフェースからの更新手順】

- (1) 以下の手順で、事前に SPH package ファイルからランゲージパックファイルを取り出してください。
Windows 上で、SPH の packages ディレクトリ下にある、『6.2.10 Firmware - Lights-Out Management』の「Language Pack - Japanese」に掲載されている“cp*****.exe”を実行してください。
パッケージセットアップが起動するので「解凍」を選択し、任意のディレクトリにパッケージを展開してください。展開したディレクトリから、“lang_ja_***.lpk”を取り出してください。
- (2) 装置のシャットダウンを行ってください。
- (3) iLO WEB インタフェースの「ファームウェア & OS ソフトウェア」タブを開いてください。
- (4) 「ファームウェアアップデート」をクリックし、「ローカルバイナリファイル」に先ほど取り出したランゲージパックファイルを指定し、「フラッシュ」を選択してください。
- (5) 2～3 分後に完了のメッセージが表示されます。その後 iLO が自動的に再起動します。

5.6 ASR(Automatic Server Recovery)について

ASR(Automatic Server Recovery)はブルースクリーン等の致命的な OS のエラーが発生したときに自動的にシステムの復旧をするべくサーバの再起動をおこなう機能です。IP 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 2019	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019
2	Windows Server 2022	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022
3	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	cp064330.zip	sutComponent:800.6.0.0.37-*.zip

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

(4) 「System Customization」画面が表示されるので、「Troubleshooting Options」を選択し、「Enter」キーを押下します。

(5) 「Enable ESXi Shell」を選択し、「Enter」キーを押下して ESXi Shell を "Enable" に変更します。

(6) 「Alt」 + 「F1」キーを押下し、VMware ESXi の Shell 画面を開き、root ユーザーでログインします。

(7) 次のコマンドを実行しインストールします。

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

(8) VMware ESXi を再起動してください。

(9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。

(10) 次のコマンドを実行し、iSUT を AutoDeployReboot モードに設定します。

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

(11) 作業終了後、OnDemand モードに変更します。iSUT を AutoDeployReboot モードに設定すると、iSUT が常駐し常時稼働し続けます。アップデート作業時以外は iSUT の稼働は不要ですので、常駐解除することを推奨します。iSUT を OnDemand モードに設定するには、次のコマンドを実行してください。

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

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

(1) iLO の認証情報設定

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

① iSUT への認証情報設定

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

① iSUT への認証情報設定

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

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

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

【注意】

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

② iLO のセキュリティ条件の変更

iLO で“ホスト認証が必要”を「無効」に設定します。

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

(2) iSUT の設定確認・変更

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

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

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

5.7.4 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)

5.7.5 Agentless Management Bundle Smart Component(amsdv) のインストール

システム装置 Gen11 の VMware システムに対して、iLO Web コンソール上のドライバ情報の表示および SPH/SUM を使用したドライバのアップデート(『リモートオンライン』展開モード)を行うには、ESXi ホストに Agentless Management Bundle Smart Component(以下、amsdv) をインストールする必要があります。

ESXi ホストに amsdv 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) amsdv 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、amsdv 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 GA	cp064726.zip	amsdvComponent:802.12.1.0.25-*.zip

- (2) 取り出した amsdv 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、amsdv が running 表示されていることを確認してください。

```
/etc/init.d/amsdv status
```

[表示例]

```
amsdv-smadvrev is running xxxxxxxxxx x
```

```
amsdv-ahsdv is running xxxxxxxxxx x
```

```
amsdv-amsdv is running xxxxxxxxxx x
```

```
amsdv-smadv is running xxxxxxxxxx x
```

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』構成となっており、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

(*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 6.0.0 for ESXi 8.0 and ESXi 9.0	cp064330.zip	-	2025.03.00	800.6.0.0.37-0
2	Integrated Smart Update Tools for Linux x64	sut-6.0.0-121.linux.x86_64.rpm	-	6.0.0.0	6.0.0-121.linux
3	Integrated Smart Update Tools for Windows x64	cp064332.exe	-	6.0.0.0	6.0.0.0

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-u54-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
5	Online ROM Flash Component for Linux - System ROM U58	firmware-system-oem-u58-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U58	2.48_03-11-2025	U58 v2.48 (03/11/2025)
6	Online ROM Flash Component for Linux - System ROM U59	firmware-system-oem-u59-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
7	Online ROM Flash Component for Linux - System ROM U63	firmware-system-oem-u63-2.48_2025_03_11-1.1.x86_64.rpm	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
8	Online ROM Flash Component for Linux - System ROM U65	firmware-system-oem-u65-2.14_2025_03_11-1.1.x86_64.rpm	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)
9	Online ROM Flash Component for Windows x64 - System ROM U54	cp066152.exe	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
10	Online ROM Flash Component for Windows x64 - System ROM U58	cp066165.exe	System BIOS - U58	2.48_03-11-2025	U58 v2.48 (03/11/2025)
11	Online ROM Flash Component for Windows x64 - System ROM U59	cp066179.exe	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
12	Online ROM Flash Component for Windows x64 - System ROM U63	cp066168.exe	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
13	Online ROM Flash Component for Windows x64 - System ROM U65	cp066188.exe	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)
14	ROM Flash Firmware Package - System ROM U54	OEM.U54_2.48_03_11_2025.fwpkg	System BIOS - U54	2.48_03-11-2025	U54 v2.48 (03/11/2025)
15	ROM Flash Firmware Package - System ROM U59	OEM.U59_2.48_03_11_2025.fwpkg	System BIOS - U59	2.48_03-11-2025	U59 v2.48 (03/11/2025)
16	ROM Flash Firmware Package - System ROM U63	OEM.U63_2.48_03_11_2025.fwpkg	System BIOS - U63	2.48_03-11-2025	U63 v2.48 (03/11/2025)
17	ROM Flash Firmware Package - System ROM U65	OEM.U65_2.14_03_11_2025.fwpkg	System BIOS - U65	2.14_03-11-2025	U65 v2.14 (03/11/2025)

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	cp062293.exe	-	10.1.19886.8592	10.1.19886.8592
19	Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows	cp065114.exe	-	10.1.19879.8585 (B)	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	cp064528.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.7.0 (B)	221.0.7.0
21	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064528.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.7.0 (B)	221.0.7.0
22	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp064528.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.7.0 (B)	221.0.7.0
23	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.7	232.0.155.7
24	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
25	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.7	232.0.155.7
26	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.7	232.0.155.7
27	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.7	232.0.155.7
28	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.7	232.0.155.7
29	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.7	232.0.155.7
30	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp063726.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
31	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.7	232.0.155.7
32	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
33	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.7	232.0.155.7
34	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.7	232.0.155.7
35	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.7	232.0.155.7
36	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.7	232.0.155.7
37	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.7	232.0.155.7
38	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp063727.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.7	232.0.155.7
39	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
40	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
41	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
42	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
43	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.r

		232.0.155.5.rhel8u9.x86_64.rpm			hel8u9
44	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
45	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
46	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u9
47	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
48	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
49	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
50	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
51	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
52	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
53	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
54	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel8u10
55	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
56	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
57	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
58	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
59	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4

60	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
61	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
62	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9	kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-232.0.155.5	1.10.3-232.0.155.5.rhel9u4
63	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
64	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
65	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
66	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
67	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
68	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
69	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
70	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp063725.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.03.00	232.0.254.0-10EM.800.1.0.20613240
71	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2025.03.00	2025.03.00
72	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2025.03.00	2025.03.00
73	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57416 10GbE 2p BASE-T Adptr	2025.03.00	2025.03.00
74	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2025.03.00	2025.03.00
75	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ Adptr	2025.03.00	2025.03.00
76	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2025.03.00	2025.03.00
77	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2025.03.00	2025.03.00
78	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0	cp063771.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2025.03.00	2025.03.00
79	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u10
80	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
81	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel8u10
82	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
83	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8	libbnxt_re-232.0.155.5-	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.5	232.0.155.5-rhel8u10

	Update 10.	rhel8u10.x86_64.rpm			
84	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
85	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u10
86	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.	libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u10
87	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u9
88	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
89	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel8u9
90	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
91	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.5	232.0.155.5-rhel8u9
92	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
93	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel8u9
94	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel8u9
95	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel9u4
96	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
97	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	232.0.155.5	232.0.155.5-rhel9u4
98	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
99	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	232.0.155.5	232.0.155.5-rhel9u4
100	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
101	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	232.0.155.5	232.0.155.5-rhel9u4
102	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.	libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.0.155.5	232.0.155.5-rhel9u4
103	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139q-1	3.139q-1.rhel8u10
104	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139q-1	3.139q-1.rhel8u10

105	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139q-1	3.139q-1.rhel8u10
106	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139q-1	3.139q-1.rhel8u9
107	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139q-1	3.139q-1.rhel8u9
108	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139q-1	3.139q-1.rhel8u9
109	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139q-1	3.139q-1.rhel9u4
110	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139q-1	3.139q-1.rhel9u4
111	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9	kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139q-1	3.139q-1.rhel9u4
112	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u9
113	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u9
114	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1	4.12.5-1.rhel8u9
115	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1	4.12.5-1.rhel8u9
116	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u9
117	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u10
118	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u10
119	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1	4.12.5-1.rhel8u10
120	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1	4.12.5-1.rhel8u10
121	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.12.5-1	4.12.5-1.rhel8u10
122	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-	4.12.5-1 (B)	4.12.5-1.rhel9u4

		m	port QSFP28 Adapter for HPE		
123	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.12.5-1 (B)	4.12.5-1.rhel9u4
124	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
125	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u4
126	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.12.5-1 (B)	4.12.5-1.rhel9u4
127	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u3.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.12.5-1 (B)	4.12.5-1.rhel9u3
128	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u3.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.12.5-1 (B)	4.12.5-1.rhel9u3
129	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA2 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u3
130	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.12.5-1 (B)	4.12.5-1.rhel9u3
131	HPE Intel iavf Drivers for Red Hat Enterprise Linux 9	kmod-hp-iavf-4.12.5-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.12.5-1 (B)	4.12.5-1.rhel9u3
132	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.17.4-1	6.17.4-1.rhel8u9
133	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.17.4-1	6.17.4-1.rhel8u9
134	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.17.4-1	6.17.4-1.rhel8u10
135	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.17.4-1	6.17.4-1.rhel8u10
136	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.17.4-1	5.17.4-1.rhel9u4
137	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.17.4-1	5.17.4-1.rhel9u4
138	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u3.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.17.4-1	5.17.4-1.rhel9u3
139	HPE Intel igb Drivers for Red Hat Enterprise Linux 9	kmod-hp-igb-5.17.4-1.rhel9u3.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.17.4-1	5.17.4-1.rhel9u3
140	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
141	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2024.09.00	1.12.0.0-10EM.800.1.0.20613240
142	HPE Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T	2025.03.00	2025.03.00

			Adapter for HPE		
143	HPE Intel igbn Driver for VMware vSphere 9.0	cp065455.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2025.03.00	2025.03.00
144	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
145	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
146	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
147	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
148	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
149	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
150	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
151	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
152	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
153	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u10
154	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
155	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
156	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
157	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
158	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
159	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-	kmod-mlnx-ofa_kernel-24.10-	MLX MCX631102 10/25GbE 2p SFP28	24.10-0.7.0.1	24.10-OFED.24.10.0.

	7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	Adptr		7.0.1.rhel8u9
160	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
161	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
162	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
163	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel8u9
164	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
165	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
166	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
167	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
168	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
169	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
170	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
171	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
172	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
173	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
174	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
175	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4

176	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
177	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	24.10-0.7.0.1	24.10-OFED.24.10.0.7.0.1.rhel9u4
178	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
179	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
180	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
181	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
182	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
183	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
184	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	kmod-mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
185	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
186	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
187	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
188	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
189	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
190	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB NDR/EN 400G 1p OSFP Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
191	HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 5 (x86_64)	mlnx-ofa_kernel-24.10-OFED.24.10.1.1.4.1.rhel9u5.x86_64.rpm	HPE IB NDR200/EN 200G 1p OSFP Adptr	24.10-1.1.4.1	24.10-OFED.24.10.1.1.4.1.rhel9u5
192	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T	14.0.5.0	14.0.5.0

			Adapter for HPE		
193	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.5.0	14.0.5.0
194	Intel i350 Driver for Windows Server 2022	cp064927.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.5.0 (B)	14.0.5.0
195	Intel i350 Driver for Windows Server 2022	cp064927.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.5.0 (B)	14.0.5.0
196	Intel i350 Driver for Windows Server 2025	cp064592.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.1.5.0	14.1.5.0
197	Intel i350 Driver for Windows Server 2025	cp064592.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.1.5.0	14.1.5.0
198	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u10
199	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u10
200	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1	1.15.4-1.rhel8u10
201	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1	1.15.4-1.rhel8u10
202	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u10
203	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u9
204	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u9
205	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1	1.15.4-1.rhel8u9
206	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1	1.15.4-1.rhel8u9
207	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.4-1	1.15.4-1.rhel8u9
208	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u4
209	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u4
210	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4
211	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u4

212	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u4
213	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u3.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u3
214	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u3.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u3
215	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA2 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u3
216	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.15.4-1 (B)	1.15.4-1.rhel9u3
217	Intel ice Drivers for Red Hat Enterprise Linux 9	kmod-ice-1.15.4-1.rhel9u3.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.4-1 (B)	1.15.4-1.rhel9u3
218	Intel icea Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0 (C)	1.15.121.0
219	Intel icea Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0 (C)	1.15.121.0
220	Intel icea Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 adapter	1.15.121.0 (C)	1.15.121.0
221	Intel icea Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0 (C)	1.15.121.0
222	Intel icea Driver for Microsoft Windows Server 2022	cp064926.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.121.0 (C)	1.15.121.0
223	Intel icea Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.302.0 (B)	1.15.302.0
224	Intel icea Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.302.0 (B)	1.15.302.0
225	Intel icea Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 adapter	1.15.302.0 (B)	1.15.302.0
226	Intel icea Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.302.0 (B)	1.15.302.0
227	Intel icea Driver for Microsoft Windows Server 2025	cp065620.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.302.0 (B)	1.15.302.0
228	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0	1.15.121.0
229	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0	1.15.121.0
230	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
231	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0

232	Intel ica Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.121.0	1.15.121.0
233	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
234	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
235	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA2 adapter	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
236	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA2 OCP3 adapter	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
237	Intel icen Driver for VMware vSphere 8.0	cp065675.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2025.03.00	1.15.2.0-10EM.800.1.0.20613240
238	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2025.03.00	2025.03.00
239	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2025.03.00	2025.03.00
240	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 adapter	2025.03.00	2025.03.00
241	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA2 OCP3 adapter	2025.03.00	2025.03.00
242	Intel icen Driver for VMware vSphere 9.0	cp065336.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2025.03.00	2025.03.00
243	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
244	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
245	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp064497.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10.26603.0	24.10.26603.0
246	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
247	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
248	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp064498.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.10.26603.0	24.10.26603.0
249	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.10.26603.0	24.10.26603.0
250	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025	cp064502.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.10.26603.0	24.10.26603.0
251	Mellanox CX5 and CX6DX Driver for	cp064502.exe	MLX MCX6314	24.10.26603	24.10.26603.0

	Microsoft Windows Server 2025		10/25GbE 2p SFP28 OCP3 Adptr	.0	
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6.2.5 Driver – Security

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
252	Intel QuickAssist Technology driver for Microsoft Windows	cp065115.exe	-	2.3.0.6 (C)	2.3.0.6

6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
253	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	HPE_MR416i-o_Gen11	07.730.01.00	07.730.01.00_rhel8u9-2
254	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	HPE_MR416i-p_Gen11	07.730.01.00	07.730.01.00_rhel8u9-2
255	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	HPE_MR216i-o_Gen11	07.730.01.00	07.730.01.00_rhel8u9-2
256	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	HPE_MR408i-o_Gen11	07.730.01.00	07.730.01.00_rhel8u9-2
257	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm	HPE_MR216i-p_Gen11	07.730.01.00	07.730.01.00_rhel8u9-2
258	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	HPE_MR416i-o_Gen11	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
259	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	HPE_MR416i-p_Gen11	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
260	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	HPE_MR216i-o_Gen11	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
261	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o,	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	HPE_MR408i-o_Gen11	07.730.01.00 (B)	07.730.01.00_rhel9u4-2

	MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9				
262	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9	kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm	HPE_MR216i-p_Gen11	07.730.01.00 (B)	07.730.01.00_rhel9u4-2
263	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	HPE_MR416i-o_Gen11	7.730.2.0	7.730.2.0
264	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	HPE_MR416i-p_Gen11	7.730.2.0	7.730.2.0
265	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	HPE_MR216i-o_Gen11	7.730.2.0	7.730.2.0
266	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	HPE_MR408i-o_Gen11	7.730.2.0	7.730.2.0
267	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition	cp063729.exe	HPE_MR216i-p_Gen11	7.730.2.0	7.730.2.0
268	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	HPE_MR416i-o_Gen11	7.730.2.0 (B)	7.730.2.0
269	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	HPE_MR416i-p_Gen11	7.730.2.0 (B)	7.730.2.0
270	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	HPE_MR216i-o_Gen11	7.730.2.0 (B)	7.730.2.0
271	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition	cp065468.exe	HPE_MR408i-o_Gen11	7.730.2.0 (B)	7.730.2.0
272	HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o,	cp065468.exe	HPE_MR216i-p_Gen11	7.730.2.0 (B)	7.730.2.0

	MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition				
273	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	HPE_MR416i-o_Gen11	2025.01.01 (B)	7.730.01.00-10EM.800.1.0.20613240
274	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	HPE_MR416i-p_Gen11	2025.01.01 (B)	7.730.01.00-10EM.800.1.0.20613240
275	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	HPE_MR216i-o_Gen11	2025.01.01 (B)	7.730.01.00-10EM.800.1.0.20613240
276	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	HPE_MR408i-o_Gen11	2025.01.01 (B)	7.730.01.00-10EM.800.1.0.20613240
277	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp065469.zip	HPE_MR216i-p_Gen11	2025.01.01 (B)	7.730.01.00-10EM.800.1.0.20613240
278	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	HPE Smart Array E208e-p SR Gen10 Controller	2025.02.01	80.4704.0.108 - 10EM.800.1.0.20613240
279	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp062918.zip	HPE SR932i-p Gen11	2025.02.01	80.4704.0.108 - 10EM.800.1.0.20613240
280	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.32-035	2.1.32-035.rhel8u9
281	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm	HPE SR932i-p Gen11	2.1.32-035	2.1.32-035.rhel8u9
282	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.32-035	2.1.32-035.rhel8u10
283	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm	HPE SR932i-p Gen11	2.1.32-035	2.1.32-035.rhel8u10
284	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u3.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.32-035	2.1.32-035.rhel9u3
285	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u3.x86_64.rpm	HPE SR932i-p Gen11	2.1.32-035	2.1.32-035.rhel9u3
286	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.32-035	2.1.32-035.rhel9u4
287	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)	kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm	HPE SR932i-p Gen11	2.1.32-035	2.1.32-035.rhel9u4
288	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019, Windows Server 2022 and	cp062903.exe	HPE Smart Array E208e-p SR Gen10 Controller	1016.10.0.1004	1016.10.0.1004

	Windows Server 2025				
289	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025	cp062903.exe	HPE SR932i-p Gen11	1016.10.0.1004	1016.10.0.1004
290	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	HPE_MR416i-o_Gen11	7.730.2.0 (B)	7.730.2.0
291	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	HPE_MR416i-p_Gen11	7.730.2.0 (B)	7.730.2.0
292	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	HPE_MR216i-o_Gen11	7.730.2.0 (B)	7.730.2.0
293	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	HPE_MR408i-o_Gen11	7.730.2.0 (B)	7.730.2.0
294	MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition	cp065467.exe	HPE_MR216i-p_Gen11	7.730.2.0 (B)	7.730.2.0

6.2.7 Driver – Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
295	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
296	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
297	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
298	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp065411.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
299	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
300	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
301	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp063399.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
302	HPE Storage Fibre Channel Adapter Kit	cp063399.exe	HPE SN1610E 32Gb 2-	14.4.393.20	14.4.393.20

	for the x64 Emulex Storport Driver for Microsoft Windows Server 2022		port Fibre Channel Host Bus Adapter		
303	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
304	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
305	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
306	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp063400.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.393.20	14.4.393.20
307	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp065410.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
308	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp065410.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
309	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp064036.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
310	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp064036.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
311	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp064037.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
312	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp064037.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.11.20	9.4.11.20
313	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
314	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
315	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
316	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u10
317	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
318	Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u10
319	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
320	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9

321	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
322	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
323	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapter	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
324	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapter	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel8u9
325	Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.329.9-1.rhel9u3.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u3
326	Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.329.9-1.rhel9u3.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u3
327	Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.329.9-1.rhel9u3.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u3
328	Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter	kmod-elx-lpfc-14.4.329.9-1.rhel9u3.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u3
329	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
330	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
331	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
332	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel9u4
333	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
334	Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u4
335	Red Hat Enterprise Linux 9 Update 5 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u5.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u5
336	Red Hat Enterprise Linux 9 Update 5 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u5.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.13.03-k1	10.02.13.03_k1-1.rhel9u5

6.2.8 Driver – System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
337	Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019	cp060564.exe	-	2.61.54.0 (B)	2.61.54.0
338	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019	cp059558.exe	-	4.7.1.0 (D)	4.7.1.0
339	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp065117.exe	-	4.7.1.0 (G)	4.7.1.0
340	iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025	cp065513.exe	-	4.7.2.0 (C)	4.7.2.0
341	iLO 6 Channel Interface Driver for Microsoft Windows Server 2019	cp059557.exe	-	4.7.1.0 (D)	4.7.1.0
342	iLO 6 Channel Interface Driver for Microsoft Windows Server 2022	cp065116.exe	-	4.7.1.0 (G)	4.7.1.0
343	iLO 6 Channel Interface Driver for Microsoft Windows Server 2025	cp065512.exe	-	4.7.2.0 (C)	4.7.2.0

6.2.9 Driver – Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
344	Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025	cp065118.exe	-	9.15.1.268 (C)	9.15.1.268

6.2.10 Firmware – Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
345	Language Pack - Japanese	firmware-ilo6-lpk-jari11-1.66-1.1.x86_64.rpm	-	1.66 (A)	1.66.05
346	Online Flash Component for Windows x64 - HPE Integrated Lights-Out 6 Japanese Language Pack	cp066100.exe	-	1.66 (A)	1.66.05 Mar 06 2025
347	Online ROM Flash Component for Linux - iLO 6	firmware-ilo6-1.67-1.1.x86_64.rpm	-	1.67	1.67 Feb 27 2025
348	Online ROM Flash Component for Windows x64 - iLO 6	cp064945.exe	-	1.67	1.67 Feb 27 2025
349	Online ROM Flash Firmware Package - iLO 6	ilo6_167.fwpkg	-	1.67	1.67 Feb 27 2025

6.2.11 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
350	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 Adptr	232.1.132.8	232.1.132.8
351	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8
352	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57416 10GbE 2p BASE-T Adptr	232.1.132.8	232.1.132.8
353	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	232.1.132.8	232.1.132.8
354	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57412 10GbE 2p SFP+ Adptr	232.1.132.8	232.1.132.8
355	Broadcom Firmware Package for BCM5741x adapters	bcm232.1.132.8.pup.fwpkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	232.1.132.8	232.1.132.8
356	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 Adptr	232.1.132.8	232.1.132.8
357	Broadcom Firmware Package for BCM5750x adapters	bcm232.1.132.8_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	232.1.132.8	232.1.132.8

358	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	2.40.0	20.32.41
359	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	2.40.0	20.32.41
360	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	2.40.0	20.32.41
361	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.41.0	20.32.41
362	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.41.0	20.32.41
363	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP064518.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.41.0	20.32.41
364	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.4.4.0	20.32.41
365	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.4.4.0	20.32.41
366	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp064520.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.4.4.0	20.32.41
367	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p60_PLDMoMCTP_8001E8B1.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.60 (B)	4.60
368	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OC4p60_NCSlwPLDMoMCTP_8001E8B5.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.60 (B)	4.60
369	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p60_PLDMoMCTP_8001E8B3.fwpkg	Intel E810-XXVDA2 adapter	4.60 (B)	4.60
370	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p60_NCSlwPLDMoMCTP_8001E8B0.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.60 (B)	4.60
371	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p60_PLDMoMCTP_8001E8B2.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.60 (B)	4.60
372	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.32.0	1.3682.0
373	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.32.0	1.3682.0
374	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.25.0 (B)	1.3682.0
375	Intel Online Firmware Upgrade Utility for VMware	CP065653.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T	3.25.0 (B)	1.3682.0

			OCP3 Adapter for HPE		
376	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.4.3.0 (B)	1.3682.0
377	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp065128.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.4.3.0 (B)	1.3682.0
378	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_43_1014-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.43.1014	26.43.1014
379	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_43_1014-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.43.1014	26.43.1014
380	Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21	16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fw pkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.4030	16.35.4030
381	Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21	20_43_1014-MCX653106A-ECA_HPE_Ax.pldm.fw pkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.43.1014	20.43.1014
382	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_43_1014-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.43.1014	22.43.1014
383	NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B21 and P45641-H21	28_44_1036-MCX75310AAS-NEAT_HPE_Ax_Ax.pld m.fwpkg	HPE IB NDR 1p OSFP MCX75310AAS Adptr	28.44.1036	28.44.1036
384	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_44_1036-MCX75310AAS-NEAT_HPE2_Ax.pldm.fwpkg	HPE IB NDR/EN 400G 1p OSFP Adptr	28.44.1036	28.44.1036
385	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_44_1036-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg	HPE IB NDR200/EN 200G 1p OSFP Adptr	28.44.1036	28.44.1036

6.2.12 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
386	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000480KXNXE	HPK4	HPK4
387	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VR000960KXNZU	HPK4	HPK4
388	Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF	Micron_7450_M7450 ALLHPK4.fwpkg	VS001920KXNXF	HPK4	HPK4
389	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL7T68	GPK7 (G)	GPK7
390	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G,	firmware-hdd-6fc985bd3b-GPK7-	KCD6XVUL6T40	GPK7 (G)	GPK7

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	7.1.x86_64.rpm			
391	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL1T60	GPK7 (G)	GPK7
392	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL800G	GPK7 (G)	GPK7
393	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL3T20	GPK7 (G)	GPK7
394	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL960G	GPK7 (G)	GPK7
395	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL1T92	GPK7 (G)	GPK7
396	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL3T84	GPK7 (G)	GPK7
397	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XVUL12T8	GPK7 (G)	GPK7
398	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm	KCD6XLUL15T3	GPK7 (G)	GPK7
399	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm	KCM6FRUL1T92	GPK5 (G)	GPK5
400	Online NVMe SSD Flash Component for	firmware-hdd-	KCM6FRUL3T84	GPK5 (G)	GPK5

	Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	1a541ed00d-GPK5-7.1.x86_64.rpm			
401	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm	KCM6FVUL3T20	GPK5 (G)	GPK5
402	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm	KCM6FVUL1T60	GPK5 (G)	GPK5
403	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL960G	GPK7 (G)	GPK7
404	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (G)	GPK7
405	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL1T92	GPK7 (G)	GPK7
406	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL3T20	GPK7 (G)	GPK7
407	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XRUL3T84	GPK7 (G)	GPK7
408	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL800G	GPK7 (G)	GPK7
409	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL6T40	GPK7 (G)	GPK7
410	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm	KCM6XVUL1T60	GPK7 (G)	GPK7
411	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VOO15360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	MO001600KYDMU	HPK6 (B)	HPK6
412	Online NVMe SSD Flash Component for	firmware-hdd-	MO006400KYDND	HPK6 (B)	HPK6

	Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	a27c95663d-HPK6-2.1.x86_64.rpm			
413	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO015360KYDNB	HPK6 (B)	HPK6
414	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO007680KYDNA	HPK6 (B)	HPK6
415	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	MO003200KYDNC	HPK6 (B)	HPK6
416	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO001920KYDMT	HPK6 (B)	HPK6
417	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm	VO003840KYDMV	HPK6 (B)	HPK6
418	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL7T68	GPK7 (C)	GPK7
419	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL6T40	GPK7 (C)	GPK7
420	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL1T60	GPK7 (C)	GPK7
421	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL800G	GPK7 (C)	GPK7
422	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20,	CP065951.zip	KCD6XVUL3T20	GPK7 (C)	GPK7

	KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
423	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XVUL12T8	GPk7 (C)	GPk7
424	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL960G	GPk7 (C)	GPk7
425	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL1T92	GPk7 (C)	GPk7
426	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL3T84	GPk7 (C)	GPk7
427	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP065951.zip	KCD6XLUL15T3	GPk7 (C)	GPk7
428	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL1T92	GPk5 (C)	GPk5
429	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FRUL3T84	GPk5 (C)	GPk5
430	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL3T20	GPk5 (C)	GPk5
431	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP065965.zip	KCM6FVUL1T60	GPk5 (C)	GPk5
432	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL960G	GPk7 (C)	GPk7
433	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and	CP065953.zip	KCM6XRUL7T68	GPk7 (C)	GPk7

	KCM6XRUL7T68 Drives				
434	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL1T92	GPk7 (C)	GPk7
435	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL3T20	GPk7 (C)	GPk7
436	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XRUL3T84	GPk7 (C)	GPk7
437	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL800G	GPk7 (C)	GPk7
438	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL6T40	GPk7 (C)	GPk7
439	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP065953.zip	KCM6XVUL1T60	GPk7 (C)	GPk7
440	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO001920KYDMT	HPK6 (B)	HPK6
441	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO003840KYDMV	HPK6 (B)	HPK6
442	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO001600KYDMU	HPK6 (B)	HPK6
443	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO006400KYDND	HPK6 (B)	HPK6
444	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB	CP065946.zip	VO015360KYDNB	HPK6 (B)	HPK6

	Drives				
445	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	VO007680KYDNA	HPK6 (B)	HPK6
446	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP065946.zip	MO003200KYDNC	HPK6 (B)	HPK6
447	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL7T68	GPK7 (C)	GPK7
448	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL6T40	GPK7 (C)	GPK7
449	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL1T60	GPK7 (C)	GPK7
450	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL800G	GPK7 (C)	GPK7
451	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL3T20	GPK7 (C)	GPK7
452	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XVUL12T8	GPK7 (C)	GPK7
453	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL960G	GPK7 (C)	GPK7
454	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	cp064858.exe	KCD6XLUL1T92	GPK7 (C)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
455	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL3T84	GPk7 (C)	GPk7
456	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp064858.exe	KCD6XLUL15T3	GPk7 (C)	GPk7
457	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL1T92	GPk5 (C)	GPk5
458	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FRUL3T84	GPk5 (C)	GPk5
459	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FVUL3T20	GPk5 (C)	GPk5
460	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp064861.exe	KCM6FVUL1T60	GPk5 (C)	GPk5
461	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL960G	GPk7 (C)	GPk7
462	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL7T68	GPk7 (C)	GPk7
463	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL1T92	GPk7 (C)	GPk7
464	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL3T20	GPk7 (C)	GPk7
465	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XRUL3T84	GPk7 (C)	GPk7
466	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20,	cp064859.exe	KCM6XVUL800G	GPk7 (C)	GPk7

	KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
467	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL6T40	GPk7 (C)	GPk7
468	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp064859.exe	KCM6XVUL1T60	GPk7 (C)	GPk7
469	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO001600KYDMU	HPK6 (B)	HPK6
470	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO006400KYDND	HPK6 (B)	HPK6
471	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO015360KYDNB	HPK6 (B)	HPK6
472	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO007680KYDNA	HPK6 (B)	HPK6
473	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	MO003200KYDNC	HPK6 (B)	HPK6
474	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO001920KYDMT	HPK6 (B)	HPK6
475	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp064857.exe	VO003840KYDMV	HPK6 (B)	HPK6
476	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO000800KXPRV	HPK2	HPK2
477	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN,	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO001600KXPTR	HPK2	HPK2

	VO003840KXPTP and VO007680KXPTQ				
478	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO003200KXPTT	HPK2	HPK2
479	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	MO006400KXPTU	HPK2	HPK2
480	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO000960KXPRU	HPK2	HPK2
481	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO001920KXPTN	HPK2	HPK2
482	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO003840KXPTP	HPK2	HPK2
483	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE 81X0AHPK2.fwpkg	VO007680KXPTQ	HPK2	HPK2
484	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO000800KXUJT	HPK2	HPK2
485	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO001600KXUJU	HPK2	HPK2
486	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO003200KXUJV	HPK2	HPK2
487	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	MO006400KXUKA	HPK2	HPK2
488	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO000960KXUJN	HPK2	HPK2
489	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO001920KXUJP	HPK2	HPK2

	VO015360KYGZQ				
490	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO003840KXUJQ	HPK2	HPK2
491	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO007680KXUJR	HPK2	HPK2
492	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8AL SHPK2.fwpkg	VO015360KYGZQ	HPK2	HPK2
493	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO006400KYDZU	HPK1	HPK1
494	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO003200KYDZT	HPK1	HPK1
495	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO001600KYDZR	HPK1	HPK1
496	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	MO000800KYDZK	HPK1	HPK1
497	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO007680KYDZP	HPK1	HPK1
498	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO003840KYDZN	HPK1	HPK1
499	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO001920KYDZL	HPK1	HPK1
500	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and	Micron_7500_Micron_7500_M7500ALLHPK 1.fwpkg	VO000960KYDZH	HPK1	HPK1

	VO007680KYDZP				
501	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	VO001536KYDZQ	HPK1	HPK1
502	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO001600KXVYH	HPK3	HPK3
503	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO003200KXVZD	HPK3	HPK3
504	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	MO006400KXVZE	HPK3	HPK3
505	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO001920KXVYF	HPK3	HPK3
506	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO003840KXVZA	HPK3	HPK3
507	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO007680KXVZB	HPK3	HPK3
508	Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC	Kioxia_CM7_KACM7A LSHPK3.fwpkg	VO015360KXVZC	HPK3	HPK3
509	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO001600KZYWU	HPK5	HPK5
510	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO003200KZYXB	HPK5	HPK5
511	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	MO006400KZYXC	HPK5	HPK5
512	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO001920KZYWT	HPK5	HPK5
513	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO003840KZYWV	HPK5	HPK5
514	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAA HPK5.fwpkg	VO007680KZYXA	HPK5	HPK5

515	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO001600YXUJB	HPK3	HPK3
516	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO003200YXUJC	HPK3	HPK3
517	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	MO006400YXUJD	HPK3	HPK3
518	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO001920YXUHU	HPK3	HPK3
519	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO003840YXUHV	HPK3	HPK3
520	Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA	Kioxia_CM7_KACM7A LFHPK3.fwpkg	VO007680YXUJA	HPK3	HPK3
521	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV015360LYHDC	HPK3	HPK3
522	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV006400LYCBB	HPK3	HPK3
523	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV003200LYCBA	HPK3	HPK3
524	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	MV001600LYCBT	HPK3	HPK3
525	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV001920LYCBR	HPK3	HPK3
526	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV003840LYCAU	HPK3	HPK3
527	Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV	Kioxia_CD8P_KACD8A LEHPK3.fwpkg	VV007680LYCAV	HPK3	HPK3
528	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	MV003200LXUJK	HPK6	HPK6
529	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and	Kioxia_CM7_KACM7A LEHPK6.fwpkg	MV006400LXUJL	HPK6	HPK6

	VV015360LXUJH				
530	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV003840LXUJE	HPK6	HPK6
531	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV007680LXUJF	HPK6	HPK6
532	Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH	Kioxia_CM7_KACM7A LEHPK6.fwpkg	VV015360LXUJH	HPK6	HPK6
533	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK000960KYDPT	HPK4	HPK4
534	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK001920KYDPU	HPK4	HPK4
535	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK003840KYDPV	HPK4	HPK4
536	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM 9A3U3HPK4.fwpkg	VK007680KYDQA	HPK4	HPK4
537	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO001920KXNZQ	HPS3	HPS3
538	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO003840KXNZR	HPS3	HPS3
539	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO007680KXNZT	HPS3	HPS3
540	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO000800KXNXH	HPS3	HPS3
541	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO001600KXNZV	HPS3	HPS3
542	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO003200KXPAA	HPS3	HPS3
543	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	MO006400KXPAB	HPS3	HPS3

	MO006400KXPAB				
544	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS 3.fwpkg	VO000960KXNXD	HPS3	HPS3
545	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_PM9A3M2HPK3.fwpkg	VR000480KXLXF	HPK3	HPK3
546	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV001920LYDTT	HPK6	HPK6
547	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV003840LYDTU	HPK6	HPK6
548	Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV	Kioxia_CD7_KACD7AL SHPK6.fwpkg	VV007680LYDTV	HPK6	HPK6
549	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV003840KXNTH	HPK6	HPK6
550	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV007680KXNTN	HPK6	HPK6
551	Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP	Samsung_PM1743_G PM1743HPK6.fwpkg	VV015360KXNTP	HPK6	HPK6
552	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV003840KXWBF	HPK2	HPK2
553	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV007680KXWBL	HPK2	HPK2
554	Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN	Solidigm_P5x30_SP54 304KHPK2.fwpkg	VV015360KXWBN	HPK2	HPK2

6.2.13 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
555	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware	firmware-powerpic-1.0.4-3.1.x86_64.rpm	Gen11 Power Management Controller Firmware	1.0.4 (C)	1.0.4
556	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	firmware-stm-gen11-1.2.2-4.1.x86_64.rpm	Gen11 Power Management Controller Firmware	1.2.2 (D)	1.2.2
557	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware	cp065601.exe	Gen11 Power Management Controller Firmware	1.0.4 (C)	1.0.4
558	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	cp065608.exe	Gen11 Power Management Controller Firmware	1.2.2 (C)	1.2.2
559	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware	PICFW-1.0.4-1.fwpkg	Gen11 Power Management Controller Firmware	1.0.4	1.0.4
560	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers	STMGen11-1.2.2-1.fwpkg	Gen11 Power Management Controller Firmware	1.2.2	1.2.2

6.2.14 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
561	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200JWJNQ	HPD8 (D)	HPD8
562	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG000600JWJNP	HPD8 (D)	HPD8
563	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200MXJQU	HPD8 (D)	HPD8
564	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG000600JXLVV	HPD8 (D)	HPD8
565	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm	EG001200JXLWA	HPD8 (D)	HPD8
566	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG001800JWJNR	HPDA (E)	HPDA
567	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400JWJNT	HPDA (E)	HPDA
568	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400MXJQT	HPDA (E)	HPDA
569	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG001800JXLWB	HPDA (E)	HPDA
570	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm	EG002400JXLWC	HPDA (E)	HPDA
571	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDQBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	EO000800PXDCK	HPD4 (B)	HPD4
572	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDQBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC,	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	MO000800PXDBP	HPD4 (B)	HPD4

	MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
573	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-HPD4-2.1.x86_64.rpm	EO000400PXDBQ	HPD4 (B)	HPD4
574	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-HPD4-2.1.x86_64.rpm	EO001600PXDCH	HPD4 (B)	HPD4
575	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-HPD4-2.1.x86_64.rpm	MO001600PXDCC	HPD4 (B)	HPD4
576	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-HPD4-2.1.x86_64.rpm	MO006400PXDCE	HPD4 (B)	HPD4
577	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-HPD4-2.1.x86_64.rpm	VO007680PXDBU	HPD4 (B)	HPD4
578	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-HPD4-2.1.x86_64.rpm	VO001920PXDBR	HPD4 (B)	HPD4
579	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-HPD4-2.1.x86_64.rpm	MO003200PXDCD	HPD4 (B)	HPD4
580	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR,	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO015300PXDBV	HPD4 (B)	HPD4

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
581	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO000960PXDBN	HPD4 (B)	HPD4
582	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm	VO003840PXDBT	HPD4 (B)	HPD4
583	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-9.1.x86_64.rpm	MB002000JWFVN	HPD4 (I)	HPD4
584	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-9.1.x86_64.rpm	MB004000JWFVP	HPD4 (I)	HPD4
585	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB004000JYDPB	HPD4	HPD4
586	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm	MB002000JYDNE	HPD4	HPD4
587	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm	MB004000JWWQB	HPD8 (F)	HPD8
588	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm	MB002000JWWQA	HPD8 (F)	HPD8
589	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB006000JYDNF	HPD3 (B)	HPD3
590	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB008000JYDPC	HPD3 (B)	HPD3
591	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm	MB010000JYDNH	HPD3 (B)	HPD3
592	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB006000JWWQN	HPD8 (F)	HPD8
593	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm	MB008000JWWQP	HPD8 (F)	HPD8
594	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB010000JWZHA	HPD4 (E)	HPD4
595	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB016000JWZHE	HPD4 (E)	HPD4
596	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB014000JWZHC	HPD4 (E)	HPD4

597	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm	MB012000JWZHB	HPD4 (E)	HPD4
598	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB010000JYDKK	HPD3 (C)	HPD3
599	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB012000JYCJF	HPD3 (C)	HPD3
600	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB014000JYCJV	HPD3 (C)	HPD3
601	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB016000JYDKL	HPD3 (C)	HPD3
602	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm	MB018000JYDKN	HPD3 (C)	HPD3
603	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB012000JZYVN	HPD4 (C)	HPD4
604	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB014000JZYVP	HPD4 (C)	HPD4
605	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB016000JZVQ	HPD4 (C)	HPD4
606	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm	MB018000JYCLK	HPD4 (C)	HPD4
607	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-4.1.x86_64.rpm	MB014000JXUCC	HPD4 (D)	HPD4
608	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDC-1.1.x86_64.rpm	MB016000JWXKH	HPDC	HPDC
609	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm	MB016000JXLBA	HPD3 (D)	HPD3
610	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm	MB018000JXLAU	HPD3 (D)	HPD3
611	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB020000JXMTP	HPD3	HPD3
612	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm	MB018000JXMTH	HPD3	HPD3
613	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRB Drives	firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm	MM1000JEFRB	HPDA (E)	HPDA

614	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm	MM2000JEFRC	HPDA (E)	HPDA
615	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-5.1.x86_64.rpm	MM1000JFJTH	HPD5 (E)	HPD5
616	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO007680RWUFC	HPD8 (C)	HPD8
617	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO003840RWUFF	HPD8 (C)	HPD8
618	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO003840RWUFB	HPD8 (C)	HPD8
619	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO001920RWUFE	HPD8 (C)	HPD8
620	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO001920RWUFA	HPD8 (C)	HPD8
621	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO000960RWUFD	HPD8 (C)	HPD8
622	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm	VO000960RWUEV	HPD8 (C)	HPD8
623	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200JWJNQ	HPD8 (C)	HPD8
624	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG000600JWJNP	HPD8 (C)	HPD8
625	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200MXJQU	HPD8 (C)	HPD8
626	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV,	CP065996.zip	EG000600JXLVV	HPD8 (C)	HPD8

	EG001200JXLWA and EG001200MXJQU Drives				
627	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP065996.zip	EG001200JXLWA	HPD8 (C)	HPD8
628	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JWJNR	HPDA (D)	HPDA
629	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JWJNT	HPDA (D)	HPDA
630	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400MXJQT	HPDA (D)	HPDA
631	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG001800JXLWB	HPDA (D)	HPDA
632	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP065998.zip	EG002400JXLWC	HPDA (D)	HPDA
633	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	EO000800PXDCK	HPD4 (B)	HPD4
634	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	MO000800PXDBP	HPD4 (B)	HPD4
635	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	EO000400PXDBQ	HPD4 (B)	HPD4
636	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP065931.zip	EO001600PXDCH	HPD4 (B)	HPD4
637	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ,	CP065931.zip	MO001600PXDCC	HPD4 (B)	HPD4

	EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives				
638	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	MO006400PXDCE	HPD4 (B)	HPD4
639	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	VO007680PXDDBU	HPD4 (B)	HPD4
640	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	VO001920PXDDBR	HPD4 (B)	HPD4
641	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	VO015300PXDDBV	HPD4 (B)	HPD4
642	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	MO003200PXDCD	HPD4 (B)	HPD4
643	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	VO000960PXDBN	HPD4 (B)	HPD4
644	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDBT, VO007680PXDDBU and VO015300PXDDBV Drives	CP065931.zip	VO003840PXDBT	HPD4 (B)	HPD4
645	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP065988.zip	MB002000JWFVN	HPD4 (G)	HPD4
646	Online HDD/SSD Flash Component for	CP065988.zip	MB004000JWFVP	HPD4 (G)	HPD4

	VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives				
647	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB004000JYDPB	HPD4 (B)	HPD4
648	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP065967.zip	MB002000JYDNE	HPD4 (B)	HPD4
649	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB004000JWWQB	HPD8 (C)	HPD8
650	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP066009.zip	MB002000JWWQA	HPD8 (C)	HPD8
651	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB006000JYDNF	HPD3 (B)	HPD3
652	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB008000JYDPC	HPD3 (B)	HPD3
653	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	CP065960.zip	MB010000JYDNH	HPD3 (B)	HPD3
654	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB006000JWWQN	HPD8 (C)	HPD8
655	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP066008.zip	MB008000JWWQP	HPD8 (C)	HPD8
656	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB010000JWZHA	HPD4 (C)	HPD4
657	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB012000JWZHB	HPD4 (C)	HPD4
658	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB016000JWZHE	HPD4 (C)	HPD4
659	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP066010.zip	MB014000JWZHC	HPD4 (C)	HPD4
660	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB010000JYDKK	HPD3 (C)	HPD3
661	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB012000JYCJF	HPD3 (C)	HPD3
662	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB014000JYCJV	HPD3 (C)	HPD3
663	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV,	CP065975.zip	MB016000JYDKL	HPD3 (C)	HPD3

	MB016000JYDKL and MB018000JYDKN Drives				
664	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP065975.zip	MB018000JYDKN	HPD3 (C)	HPD3
665	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	CP065973.zip	MB012000JZYVN	HPD4 (C)	HPD4
666	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	CP065973.zip	MB014000JZYVP	HPD4 (C)	HPD4
667	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	CP065973.zip	MB016000JZVQ	HPD4 (C)	HPD4
668	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	CP065973.zip	MB018000JYCLK	HPD4 (C)	HPD4
669	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP065932.zip	MB014000JXUCC	HPD4 (C)	HPD4
670	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP065940.zip	MB016000JWXKH	HPDC (B)	HPDC
671	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB016000JXLBA	HPD3 (C)	HPD3
672	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP065993.zip	MB018000JXLAU	HPD3 (C)	HPD3
673	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB018000JXMTH	HPD3 (B)	HPD3
674	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP065976.zip	MB020000JXMTP	HPD3 (B)	HPD3
675	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRB Drives	CP066004.zip	MM1000JEFRB	HPDA (E)	HPDA
676	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRB Drives	CP066004.zip	MM2000JEFRB	HPDA (E)	HPDA
677	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP066005.zip	MM1000JFJTH	HPD5 (E)	HPD5
678	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO007680RWUFC	HPD8 (C)	HPD8
679	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO003840RWUFF	HPD8 (C)	HPD8
680	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO003840RWUFB	HPD8 (C)	HPD8
681	Online HDD/SSD Flash Component for	CP065957.zip	VO001920RWUFE	HPD8 (C)	HPD8

	VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives				
682	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO001920RWUFA	HPD8 (C)	HPD8
683	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO000960RWUFD	HPD8 (C)	HPD8
684	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP065957.zip	VO000960RWUEV	HPD8 (C)	HPD8
685	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200MXJQU	HPD8 (C)	HPD8
686	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JXLVV	HPD8 (C)	HPD8
687	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JXLWA	HPD8 (C)	HPD8
688	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG000600JWJNP	HPD8 (C)	HPD8
689	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp065043.exe	EG001200JWJNQ	HPD8 (C)	HPD8
690	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG001800JWJNR	HPDA (D)	HPDA
691	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JWJNT	HPDA (D)	HPDA
692	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400MXJQT	HPDA (D)	HPDA
693	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB,	cp065045.exe	EG001800JXLWB	HPDA (D)	HPDA

	EG002400JXLWC and EG002400MXJQT Drives				
694	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp065045.exe	EG002400JXLWC	HPDA (D)	HPDA
695	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	EO000800PXDCK	HPD4 (B)	HPD4
696	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	MO000800PXDBP	HPD4 (B)	HPD4
697	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	EO000400PXDBQ	HPD4 (B)	HPD4
698	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	EO001600PXDCH	HPD4 (B)	HPD4
699	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	MO001600PXDCC	HPD4 (B)	HPD4
700	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	MO006400PXDCE	HPD4 (B)	HPD4
701	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	VO007680PXDCH	HPD4 (B)	HPD4
702	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDCH, VO003840PXDCH, VO007680PXDCH and VO015300PXDCH Drives	cp065078.exe	VO001920PXDCH	HPD4 (B)	HPD4

	MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
703	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO015300PXDBV	HPD4 (B)	HPD4
704	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	MO003200PXDCD	HPD4 (B)	HPD4
705	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO000960PXDBN	HPD4 (B)	HPD4
706	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp065078.exe	VO003840PXDBT	HPD4 (B)	HPD4
707	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB002000JWFVN	HPD4 (G)	HPD4
708	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp065058.exe	MB004000JWFVP	HPD4 (G)	HPD4
709	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB004000JYDPB	HPD4 (B)	HPD4
710	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp065085.exe	MB002000JYDNE	HPD4 (B)	HPD4
711	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB004000JWWQB	HPD8 (D)	HPD8
712	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp065081.exe	MB002000JWWQA	HPD8 (D)	HPD8
713	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB006000JYDNF	HPD3 (B)	HPD3
714	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives	cp065084.exe	MB008000JYDPC	HPD3 (B)	HPD3
715	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH	cp065084.exe	MB010000JYDNH	HPD3 (B)	HPD3

	Drives				
716	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB006000JWWQN	HPD8 (D)	HPD8
717	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp065080.exe	MB008000JWWQP	HPD8 (D)	HPD8
718	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB010000JWZHA	HPD4 (D)	HPD4
719	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB012000JWZHB	HPD4 (D)	HPD4
720	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB014000JWZHC	HPD4 (D)	HPD4
721	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp065082.exe	MB016000JWZHE	HPD4 (D)	HPD4
722	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB010000JYDKK	HPD3 (C)	HPD3
723	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB012000JYCJF	HPD3 (C)	HPD3
724	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB014000JYCJV	HPD3 (C)	HPD3
725	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB016000JYDKL	HPD3 (C)	HPD3
726	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp063922.exe	MB018000JYDKN	HPD3 (C)	HPD3
727	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp065024.exe	MB012000JZYVN	HPD4 (C)	HPD4
728	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp065024.exe	MB014000JZYVP	HPD4 (C)	HPD4
729	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp065024.exe	MB016000JZVQ	HPD4 (C)	HPD4
730	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives	cp065024.exe	MB018000JYCLK	HPD4 (C)	HPD4
731	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp065036.exe	MB014000JXUCC	HPD4 (C)	HPD4

732	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp065031.exe	MB016000JWXKH	HPDC (B)	HPDC
733	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB016000JXLBA	HPD3 (C)	HPD3
734	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp065020.exe	MB018000JXLAU	HPD3 (C)	HPD3
735	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB020000JXMTP	HPD3 (B)	HPD3
736	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp065087.exe	MB018000JXMTH	HPD3 (B)	HPD3
737	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM1000JEFRB	HPDA (E)	HPDA
738	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp065063.exe	MM2000JEFRC	HPDA (E)	HPDA
739	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp065064.exe	MM1000JFJTH	HPD5 (E)	HPD5
740	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO007680RWUFC	HPD8 (C)	HPD8
741	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO003840RWUFF	HPD8 (C)	HPD8
742	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO003840RWUFB	HPD8 (C)	HPD8
743	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFE	HPD8 (C)	HPD8
744	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO001920RWUFA	HPD8 (C)	HPD8
745	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUFD	HPD8 (C)	HPD8
746	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp065077.exe	VO000960RWUEV	HPD8 (C)	HPD8
747	Universal Firmware Package for Drives -	Toshiba_MG08Air_TA	MB004000JWZVU	HPD3 (B)	HPD3

	MB004000JWZVU	MG08SDAnD3.fwpkg			
748	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB006000JWZVQ	HPD3 (B)	HPD3
749	Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR	Toshiba_MG08Air_TA MG08SDAeD3.fwpkg	MB008000JWZVR	HPD3 (B)	HPD3
750	Universal Firmware Package for Drives - MB020000JXMOVU	WDC_ParisD_Wparisd ASFD1.fwpkg	MB020000JXMOVU	HPD1 (B)	HPD1
751	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB12000JYESN	HPD1 (B)	HPD1
752	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB16000JYEVC	HPD1 (B)	HPD1
753	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SU MMITSUSND1.fwpkg	MB20000JYEVD	HPD1 (B)	HPD1
754	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SU MMITSUSND1.fwpkg	MB24000JYEVE	HPD1 (B)	HPD1
755	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO000960RXKRC	HPD5 (B)	HPD5
756	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO001920RXKRH	HPD5 (B)	HPD5
757	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	MO003840RXKRK	HPD5 (B)	HPD5
758	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO000960RXKRB	HPD5 (B)	HPD5
759	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO001920RXKRD	HPD5 (B)	HPD5
760	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SL NGBPHPESD5.fwpkg	VO003840RXKRE	HPD5 (B)	HPD5
761	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO000960RXRQK	HPD4 (B)	HPD4
762	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO001920RXRRH	HPD4 (B)	HPD4
763	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	MO003840RXRRK	HPD4 (B)	HPD4
764	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO000960RXRQL	HPD4 (B)	HPD4
765	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO001920RXRRL	HPD4 (B)	HPD4

	MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD				
766	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO003840RXRRN	HPD4 (B)	HPD4
767	Universal Firmware Package for Drives - MO000960RXRQK, MO001920XRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCO OPRHPESD4.fwpkg	VO007680RYEWD	HPD4 (B)	HPD4
768	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO015360PXMTU	HPD2 (B)	HPD2
769	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO007680PXMTT	HPD2 (B)	HPD2
770	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO003840PXMTR	HPD2 (B)	HPD2
771	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	VO001920PXMTL	HPD2 (B)	HPD2
772	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO006400PXMUA	HPD2 (B)	HPD2
773	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO003200PXMTV	HPD2 (B)	HPD2
774	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7A LSHPD2.fwpkg	MO001600PXMTN	HPD2 (B)	HPD2
775	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO001600PZWSH	HPD3 (B)	HPD3
776	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO003200PZWSK	HPD3 (B)	HPD3
777	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO000800PZWSF	HPD3 (B)	HPD3
778	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_G PM1655SAMD3.fwpkg	MO006400PZXFA	HPD3 (B)	HPD3
779	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN,	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO000960PZWSL	HPD3 (B)	HPD3

	VO003840PZWSP, VO007680PZXF and VO015360PZXEU	g			
780	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXF and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO001920PZWSN	HPD3 (B)	HPD3
781	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXF and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO003840PZWSP	HPD3 (B)	HPD3
782	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXF and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO007680PZXF	HPD3 (B)	HPD3
783	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXF and VO015360PZXEU	Samsung_PM165X_G PM1653SAMD3.fwpkg	VO015360PZXEU	HPD3 (B)	HPD3
784	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZWUP	HPD1 (B)	HPD1
785	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO000960RZWUQ	HPD1 (B)	HPD1
786	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUR	HPD1 (B)	HPD1
787	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO001920RZWUV	HPD1 (B)	HPD1
788	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWUT	HPD1 (B)	HPD1
789	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO003840RZWVA	HPD1 (B)	HPD1
790	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6A LSHPD1.fwpkg	VO007680RZWUU	HPD1 (B)	HPD1

6.2.15 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
791	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	firmware-hdd-bfc4af697b-HPG6-12.1.x86_64.rpm	MB001000GWFWK	HPG6 (L)	HPG6
792	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	firmware-hdd-bfc4af697b-HPG6-12.1.x86_64.rpm	MB002000GWFWL	HPG6 (L)	HPG6
793	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN,	firmware-hdd-d39e7a7e75-HPG1-	MB004000GWFWB	HPG1 (M)	HPG1

	MB002000GWFWA and MB004000GWFWB Drives	13.1.x86_64.rpm			
794	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB002000GWFWA	HPG1 (M)	HPG1
795	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm	MB001000GWJAN	HPG1 (M)	HPG1
796	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-12.1.x86_64.rpm	MB004000GWKGV	HPG1 (L)	HPG1
797	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-12.1.x86_64.rpm	MB006000GWKGR	HPG1 (L)	HPG1
798	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm	MB010000GYDKP	HPG2 (C)	HPG2
799	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm	MB016000GYDKQ	HPG2 (C)	HPG2
800	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm	MB018000GYDKR	HPG2 (C)	HPG2
801	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm	MB012000GYCJL	HPG2 (C)	HPG2
802	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm	MB014000GYCJT	HPG2 (C)	HPG2
803	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG5-3.1.x86_64.rpm	MB012000GWDFE	HPG5 (C)	HPG5
804	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm	MB014000GWTFE	HPG8 (E)	HPG8
805	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm	MB012000GWTFE	HPG8 (E)	HPG8
806	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB012000GZYVT	HPG4 (C)	HPG4
807	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB014000GZYVU	HPG4 (C)	HPG4
808	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB016000GZYVV	HPG4 (C)	HPG4
809	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm	MB018000GYCLL	HPG4 (C)	HPG4

810	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-4.1.x86_64.rpm	MB016000GWXKK	HPG4 (D)	HPG4
811	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB020000GXMTQ	HPG3	HPG3
812	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm	MB018000GXMTK	HPG3	HPG3
813	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK003840GWXFL	HPG3 (D)	HPG3
814	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK001920GWXFK	HPG3 (D)	HPG3
815	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK000960GWXFH	HPG3 (D)	HPG3
816	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm	MK000480GWXFF	HPG3 (D)	HPG3
817	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK000480GZXRA	HPG1 (D)	HPG1
818	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK001920GZXRC	HPG1 (D)	HPG1
819	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK000960GZXRB	HPG1 (D)	HPG1
820	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm	MK003840GZXRV	HPG1 (D)	HPG1
821	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG6-5.1.x86_64.rpm	MM1000GFJTE	HPG6 (E)	HPG6
822	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-5.1.x86_64.rpm	MM2000GEFRA	HPG9 (E)	HPG9
823	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK003840GWTTD	HPG7 (D)	HPG7
824	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK003840GWTTN	HPG7 (D)	HPG7
825	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK,	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK001920GWTTT	HPG7 (D)	HPG7

	MK001920GWTTL and MK003840GWTTN Drives				
826	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK001920GWTTL	HPG7 (D)	HPG7
827	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000960GWTTB	HPG7 (D)	HPG7
828	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK000960GWTTK	HPG7 (D)	HPG7
829	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000480GWTTA	HPG7 (D)	HPG7
830	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	MK000480GW TTH	HPG7 (D)	HPG7
831	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm	VK000240GWTSV	HPG7 (D)	HPG7
832	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK001920GZXQV	HPG1 (D)	HPG1
833	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK003840GZXRH	HPG1 (D)	HPG1
834	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK007680GZXRT	HPG1 (D)	HPG1
835	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK000960GZXQU	HPG1 (D)	HPG1
836	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU,	firmware-hdd-abd133f0de-HPG1-	VK000480GZXRF	HPG1 (D)	HPG1

	VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	4.1.x86_64.rpm			
837	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm	VK000240GZXRU	HPG1 (D)	HPG1
838	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK000480GZCNE	HPG3 (D)	HPG3
839	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK000960GZCNF	HPG3 (D)	HPG3
840	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK001920GZCNH	HPG3 (D)	HPG3
841	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm	VK003840GZCNK	HPG3 (D)	HPG3
842	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives	CP065937.zip	MB001000GWFWK	HPG6 (K)	HPG6
843	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives	CP065937.zip	MB002000GWFWL	HPG6 (K)	HPG6
844	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP065995.zip	MB004000GWFWB	HPG1 (K)	HPG1
845	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP065995.zip	MB002000GWFWA	HPG1 (K)	HPG1
846	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP065995.zip	MB001000GWJAN	HPG1 (K)	HPG1
847	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP065987.zip	MB004000GWKGV	HPG1 (K)	HPG1
848	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP065934.zip	MB006000GWKGR	HPG1 (K)	HPG1
849	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB010000GYDKP	HPG2 (C)	HPG2
850	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB016000GYDKQ	HPG2 (C)	HPG2
851	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB018000GYDKR	HPG2 (C)	HPG2
852	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB012000GYCJL	HPG2 (C)	HPG2

853	Online HDD/SSD Flash Component for VMware ESXi - MB01000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP065972.zip	MB014000GYCJT	HPG2 (C)	HPG2
854	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP065936.zip	MB012000GWDFE	HPG5 (C)	HPG5
855	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFF and MB014000GWTFF Drives	CP065997.zip	MB014000GWTFF	HPG8 (C)	HPG8
856	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFF and MB014000GWTFF Drives	CP065997.zip	MB012000GWTFF	HPG8 (C)	HPG8
857	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB012000GZYVT	HPG4 (C)	HPG4
858	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB014000GZYVU	HPG4 (C)	HPG4
859	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB016000GZYVV	HPG4 (C)	HPG4
860	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP065980.zip	MB018000GYCLL	HPG4 (C)	HPG4
861	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP065948.zip	MB016000GWXKK	HPG4 (C)	HPG4
862	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB020000GXMTQ	HPG3 (B)	HPG3
863	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP065977.zip	MB018000GXMTK	HPG3 (B)	HPG3
864	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK003840GWXFL	HPG3 (C)	HPG3
865	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK001920GWXFK	HPG3 (C)	HPG3
866	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000960GWXFF	HPG3 (C)	HPG3
867	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFF, MK001920GWXFK and MK003840GWXFL Drives	CP065978.zip	MK000480GWXFF	HPG3 (C)	HPG3
868	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000480GZXRA	HPG1 (C)	HPG1
869	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK001920GZXRC	HPG1 (C)	HPG1
870	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.	CP065947.zip	MK000960GZXR	HPG1 (C)	HPG1
871	Online HDD/SSD Flash Component for	CP065947.zip	MK003840GZXRV	HPG1 (C)	HPG1

	VMware ESXi - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives.				
872	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP066002.zip	MM1000GFJTE	HPG6 (E)	HPG6
873	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP066001.zip	MM2000GEFRA	HPG9 (E)	HPG9
874	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	VK003840GWTTD	HPG7 (D)	HPG7
875	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	MK003840GWTTT	HPG7 (D)	HPG7
876	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	VK001920GWTTT	HPG7 (D)	HPG7
877	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	MK001920GWTTT	HPG7 (D)	HPG7
878	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	VK000960GWTTB	HPG7 (D)	HPG7
879	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	MK000960GWTTK	HPG7 (D)	HPG7
880	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	VK000480GWTTA	HPG7 (D)	HPG7
881	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTT Drives	CP065970.zip	MK000480GWTTT	HPG7 (D)	HPG7
882	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB,	CP065970.zip	VK000240GWTSV	HPG7 (D)	HPG7

	VK001920GWTTTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
883	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK001920GZXQV	HPG1 (C)	HPG1
884	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK003840GZXRH	HPG1 (C)	HPG1
885	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK007680GZXRT	HPG1 (C)	HPG1
886	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000960GZXQU	HPG1 (C)	HPG1
887	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000480GZXRF	HPG1 (C)	HPG1
888	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP065949.zip	VK000240GZXRU	HPG1 (C)	HPG1
889	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000480GZCNE	HPG3 (C)	HPG3
890	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK000960GZCNF	HPG3 (C)	HPG3
891	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK001920GZCNH	HPG3 (C)	HPG3
892	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP065982.zip	VK003840GZCNK	HPG3 (C)	HPG3
893	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives	cp065095.exe	MB001000GWFWK	HPG6 (J)	HPG6
894	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives	cp065095.exe	MB002000GWFWL	HPG6 (J)	HPG6
895	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp065066.exe	MB004000GWFWB	HPG1 (J)	HPG1
896	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp065066.exe	MB002000GWFWA	HPG1 (J)	HPG1
897	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN,	cp065066.exe	MB001000GWJAN	HPG1 (J)	HPG1

	MB002000GWFWA and MB004000GWFWB Drives				
898	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp065089.exe	MB004000GWKGV	HPG1 (J)	HPG1
899	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp065090.exe	MB006000GWKGR	HPG1 (J)	HPG1
900	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB010000GYDKP	HPG2 (C)	HPG2
901	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB016000GYDKQ	HPG2 (C)	HPG2
902	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB018000GYDKR	HPG2 (C)	HPG2
903	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB012000GYCJL	HPG2 (C)	HPG2
904	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp065086.exe	MB014000GYCJT	HPG2 (C)	HPG2
905	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp065094.exe	MB012000GWDFE	HPG5 (C)	HPG5
906	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB014000GWTFE	HPG8 (D)	HPG8
907	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives	cp065069.exe	MB012000GWTFE	HPG8 (D)	HPG8
908	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB012000GZYVT	HPG4 (C)	HPG4
909	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB014000GZYVU	HPG4 (C)	HPG4
910	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB016000GZYVV	HPG4 (C)	HPG4
911	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp065022.exe	MB018000GYCLL	HPG4 (C)	HPG4
912	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp065030.exe	MB016000GWXKK	HPG4 (C)	HPG4
913	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTQ and MB020000GXMTQ Drives	cp065088.exe	MB020000GXMTQ	HPG3 (B)	HPG3
914	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTQ and	cp065088.exe	MB018000GXMTQ	HPG3 (B)	HPG3

	MB020000GXMTQ Drives				
915	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK003840GWXFL	HPG3 (C)	HPG3
916	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK001920GWXFK	HPG3 (C)	HPG3
917	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000960GWXFH	HPG3 (C)	HPG3
918	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp065061.exe	MK000480GWXFF	HPG3 (C)	HPG3
919	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000480GZXRA	HPG1 (C)	HPG1
920	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK001920GZXRC	HPG1 (C)	HPG1
921	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK000960GZXR	HPG1 (C)	HPG1
922	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXR, MK001920GZXRC and MK003840GZXRV Drives	cp065074.exe	MK003840GZXRV	HPG1 (C)	HPG1
923	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp065060.exe	MM1000GFJTE	HPG6 (D)	HPG6
924	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp065057.exe	MM2000GEFRA	HPG9 (D)	HPG9
925	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp065014.exe	VK003840GWTTD	HPG7 (D)	HPG7
926	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp065014.exe	MK003840GWTTN	HPG7 (D)	HPG7
927	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp065014.exe	VK001920GW TTC	HPG7 (D)	HPG7
928	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	cp065014.exe	MK001920GWTTT	HPG7 (D)	HPG7
929	Online HDD/SSD Flash Component for	cp065014.exe	VK000960GWTTB	HPG7 (D)	HPG7

	Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives				
930	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp065014.exe	MK000960GW TTK	HPG7 (D)	HPG7
931	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp065014.exe	VK000480GWTTA	HPG7 (D)	HPG7
932	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp065014.exe	MK000480GW TTH	HPG7 (D)	HPG7
933	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp065014.exe	VK000240GWTSV	HPG7 (D)	HPG7
934	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK001920GZXQV	HPG1 (C)	HPG1
935	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK003840GZXRH	HPG1 (C)	HPG1
936	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK007680GZXRT	HPG1 (C)	HPG1
937	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000960GZXQU	HPG1 (C)	HPG1
938	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000480GZXRF	HPG1 (C)	HPG1
939	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp065075.exe	VK000240GZXRU	HPG1 (C)	HPG1
940	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE,	cp065062.exe	VK000480GZCNE	HPG3 (C)	HPG3

	VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives				
941	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK000960GZCNF	HPG3 (C)	HPG3
942	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK001920GZCNH	HPG3 (C)	HPG3
943	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp065062.exe	VK003840GZCNK	HPG3 (C)	HPG3
944	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG2.fwpkg	MB002000GYDNK	HPG2	HPG2
945	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG2.fwpkg	MB004000GYDPD	HPG2	HPG2
946	Universal Firmware Package for Drives - MB004000GWZVT	Toshiba_MG08Air_TA MG08ADAnG3.fwpkg	MB004000GWZVT	HPG3	HPG3
947	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB006000GWZVL	HPG3	HPG3
948	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TA MG08ADAeG3.fwpkg	MB008000GWZVN	HPG3	HPG3
949	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB006000GYDNL	HPG2	HPG2
950	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB008000GYDPE	HPG2	HPG2
951	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG2.fwpkg	MB010000GYDNN	HPG2	HPG2
952	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB12000GYESP	HPG1	HPG1
953	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB16000GYEVF	HPG1	HPG1
954	Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH	Seagate_Summit_SU MMITSUANG1.fwpkg	MB20000GYEVH	HPG1	HPG1
955	Universal Firmware Package for Drives - MB24000GYEVK	Seagate_Summit_SU MMITSUASG1.fwpkg	MB24000GYEVK	HPG1	HPG1
956	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
957	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
958	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000	Solidigm_S4X20_4IYY HPG4.fwpkg	MK001920GYCNF	HPG4	HPG4

	960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU				
959	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	MK003840GYCNQ	HPG4	HPG4
960	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000240GYCNU	HPG4	HPG4
961	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000480GYCNH	HPG4	HPG4
962	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK000960GYCNK	HPG4	HPG4
963	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK001920GYCNL	HPG4	HPG4
964	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK003840GYCNN	HPG4	HPG4
965	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VK007680GYCNE	HPG4	HPG4
966	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000240GXPQT	HPG4	HPG4
967	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840 GYCNN ,VK007680GYCNE ,VR000240GX PQT and VR000480GXPQU	Solidigm_S4X20_4IYY HPG4.fwpkg	VR000480GXPQU	HPG4	HPG4

6.2.16 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
968	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10p_Gen11_1.2.14.1018_C.fwpkg	HPE NS204i-u Boot Controller	1.2.14.1018 (C)	1.2.14.1018
969	Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller	HPE_MR216i-o_Gen11_52.30.3-5917_B.fwpkg	HPE_MR216i-o_Gen11	52.30.3-5917 (B)	52.30.3-5917
970	Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller	HPE_MR216i-p_Gen11_52.30.3-5917_B.fwpkg	HPE_MR216i-p_Gen11	52.30.3-5917 (B)	52.30.3-5917
971	Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller	HPE_MR408i-o_Gen11_52.30.3-5917_B.fwpkg	HPE_MR408i-o_Gen11	52.30.3-5917 (B)	52.30.3-5917
972	Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller	HPE_MR416i-o_Gen11_52.30.3-5917_B.fwpkg	HPE_MR416i-o_Gen11	52.30.3-5917 (B)	52.30.3-5917
973	Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller	HPE_MR416i-p_Gen11_52.30.3-5917_B.fwpkg	HPE_MR416i-p_Gen11	52.30.3-5917 (B)	52.30.3-5917
974	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416i-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.33.044_A.fwpkg	HPE SR932i-p Gen11	03.01.33.044	03.01.33.044
975	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_7.43_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	7.43	7.43

6.2.17 Firmware - Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
976	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L21T9HCLS-00A07	GDC7502Q (C)	GDC7502Q
977	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L23T8HBLA-00A07	GDC7502Q (C)	GDC7502Q
978	Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive	firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm	MZ1L2960HCJR-00A07	GDC7502Q (C)	GDC7502Q

6.2.18 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
979	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
980	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
981	HPE Firmware Flash for Emulex 32Gb	P14.4.473.14_header.	HPE SN1610E 32Gb 1-	14.4.473.14	14.4.473.14

	and 64Gb Fibre Channel Host Bus Adapters	pldm.fwpkg	port Fibre Channel Host Bus Adapter		
982	HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters	P14.4.473.14_header.pldm.fwpkg	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.473.14	14.4.473.14
983	HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021008.upd_header.pldm.fwpkg	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	02.10.08	02.10.08
984	HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters	mh021008.upd_header.pldm.fwpkg	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	02.10.08	02.10.08

6.2.19 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
985	Firmware Package - UBM10 Backplane PIC PLDM Firmware	HPE_UBM10_1.02_A.fwpkg	UBM10 Backplane PIC	1.02	1.02
986	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_F.fwpkg	UBM2 Backplane PIC	1.20 (F)	1.20
987	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10 and Gen10 Plus and Gen11 servers usage	HPE_UBM3_1.24_G.fwpkg	UBM3 Backplane PIC	1.24 (G)	1.24
988	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10P/Gen11/Gen12 servers usage	HPE_UBM4_1.24_G.fwpkg	UBM4 Backplane PIC	1.24 (G)	1.24
989	Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage	HPE_UBM5_1.16_A.fwpkg	UBM5 Backplane PIC	1.16	1.16
990	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage	HPE_UBM6_1.04_C.fwpkg	UBM6 Backplane PIC	1.04 (C)	1.04
991	Firmware Package - UBM7 Backplane PIC PLDM Firmware	HPE_UBM7_1.10_B.fwpkg	UBM7 Backplane PIC	1.10 (B)	1.10
992	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065566.exe	U63 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
993	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065561.exe	U54 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
994	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065562.exe	U58 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
995	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	cp065592.exe	U59 ME Seamless Update Image	06.01.04.07 5.0 (B)	6.1.4.75
996	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	cp065616.exe	Server Platform Services Manageability Engine Firmware for U65	06.03.04.04 8.0 (B)	6.3.4.48.0
997	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u54sps-06.01.04.075.0-1.1.x86_64.rpm	U54 ME Seamless Update Image	06.01.04.07 5.0	6.1.4.75
998	Online ROM Flash for Linux - Server	firmware-u58sps-	U58 ME Seamless	06.01.04.07	6.1.4.75

	Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	06.01.04.075.0-1.1.x86_64.rpm	Update Image	5.0	
999	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u59sps-06.01.04.075.0-1.1.x86_64.rpm	U59 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
1000	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	firmware-u63sps-06.01.04.075.0-1.1.x86_64.rpm	U63 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
1001	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	firmware-u65sps-06.03.04.048.0-1.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware for U65	06.03.04.048.0	6.3.4.48.0
1002	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U63_ME_06.01.04.075.0.fwpkg	U63 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
1003	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U54_ME_06.01.04.075.0.fwpkg	U54 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
1004	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems	OEM.SC_U59_ME_06.01.04.075.0.fwpkg	U59 ME Seamless Update Image	06.01.04.075.0	6.1.4.75
1005	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems	OEM.SC_U65_ME_06.03.04.048.0.fwpkg	Server Platform Services Firmware for DL20 ML30 MS Gen11	06.03.04.048.0	6.3.4.48

6.2.20 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1006	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-6.0.0-0.x86_64.rpm	-	6.0.0-0 (B)	6.0.0-0
1007	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp063854.exe	-	6.0.0.0 (A)	6.0.0.0

6.2.21 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1008	HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0	cp064439.zip	-	2025.03.00	800.10.9.0.17-10EM.800.1.0.20613240
1009	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp062924.zip	HPE Smart Array E208e-p SR Gen10 Controller	2025.02.01	6.45.8.0-8.0.0
1010	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1011	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1012	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp062924.zip	Smart Array S100i SR	2025.02.01	6.45.8.0-8.0.0
1013	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp062924.zip	HPE SR932i-p Gen11	2025.02.01	6.45.8.0-8.0.0
1014	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for	cp064903.zip	HPE Smart Array E208e-p SR Gen10	2025.03.01	2025.03.01

	Gen10/Gen10 Plus/Gen11 Controllers		Controller		
1015	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1016	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1017	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp064903.zip	Smart Array S100i SR	2025.03.01	2025.03.01
1018	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp064903.zip	HPE SR932i-p Gen11	2025.03.01	2025.03.01

6.2.22 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1019	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp065471.zip	HPE_MR416i-o_Gen11	2025.01.01 (B)	007.3011.000 0.0000-02
1020	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp065471.zip	HPE_MR416i-p_Gen11	2025.01.01 (B)	007.3011.000 0.0000-02
1021	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp065471.zip	HPE_MR216i-o_Gen11	2025.01.01 (B)	007.3011.000 0.0000-02
1022	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp065471.zip	HPE_MR408i-o_Gen11	2025.01.01 (B)	007.3011.000 0.0000-02
1023	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp065471.zip	HPE_MR216i-p_Gen11	2025.01.01 (B)	007.3011.000 0.0000-02
1024	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp064599.zip	HPE_MR416i-o_Gen11	2025.01.01	2025.01.01
1025	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp064599.zip	HPE_MR416i-p_Gen11	2025.01.01	2025.01.01
1026	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp064599.zip	HPE_MR216i-o_Gen11	2025.01.01	2025.01.01
1027	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp064599.zip	HPE_MR408i-o_Gen11	2025.01.01	2025.01.01
1028	HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)	cp064599.zip	HPE_MR216i-p_Gen11	2025.01.01	2025.01.01

6.2.23 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1029	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (d)	4.2-1_rhel
1030	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (d)	4.2-1_rhel
1031	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (d)	4.2-1_rhel
1032	Fibreutils for HPE Storage Fibre Channel	fibreutils-4.2-	HPE SN1610E 32Gb 2-	4.2-1 (d)	4.2-1_rhel

	Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	1_rhel.x86_64.rpm	port Fibre Channel Host Bus Adapter		
1033	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (d)	4.2-1_rhel
1034	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	4.2-1 (d)	4.2-1_rhel
1035	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.466.0-1.rhel8.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	14.4.466.0	14.4.466.0-1.rhel8
1036	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.466.0-1.rhel8.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	14.4.466.0	14.4.466.0-1.rhel8
1037	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.466.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.466.0	14.4.466.0-1.rhel8
1038	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.466.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.466.0	14.4.466.0-1.rhel8
1039	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp054346.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1040	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp054346.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1041	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp054346.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1042	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)	cp054346.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1043	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054345.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1044	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054345.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1045	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054345.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1046	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054345.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1047	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062277.exe	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
1048	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062277.exe	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
1049	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters	cp062277.exe	HPE SN1610E 32Gb 1-port Fibre Channel	1.0.0.1	1.0.0.1

	for Microsoft Windows Server 2025 (x86_64)		Host Bus Adapter		
1050	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062277.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
1051	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (d)	1.0.0.0-4
1052	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (d)	1.0.0.0-4
1053	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (d)	1.0.0.0-4
1054	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (d)	1.0.0.0-4
1055	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1056	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
1057	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062112.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
1058	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062112.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-10EM.800.1.0.20613240
1059	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061889.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1060	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061889.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-10EM.803.0.0.23710970
1061	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064286.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
1062	HPE QLogic Fibre Channel driver component for VMware vSphere 9.0	cp064286.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2025.03.01	2025.03.01
1063	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2019 (x86_64)	cp054363.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1064	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2019 (x86_64)	cp054363.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1065	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054362.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1066	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054362.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (b)	1.0.0.1
1067	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062278.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1

1068	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062278.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
1069	HPE QLogic Smart SAN Enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	3.3-3 (d)	3.3-3
1070	HPE QLogic Smart SAN Enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	3.3-3 (d)	3.3-3

6.2.24 Software – System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1071	Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server	amsd-4.0.0-1974.81.rhel9.x86_64.rpm	-	4.0.0	4.0.0-1974.81.rhel9
1072	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server	amsd-3.7.0-1869.1.rhel8.x86_64.rpm	-	3.7.0	3.7.0-1869.1.rhel8
1073	Agentless Management Service for Microsoft Windows x64	cp065396.exe	-	4.10.0.0	4.10.0.0
1074	HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers	cp064726.zip	-	2025.03.01	802.12.1.0.25-1
1075	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	HPE_MR416i-o_Gen11	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1076	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	HPE_MR416i-p_Gen11	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1077	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	HPE_MR216i-o_Gen11	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1078	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	HPE_MR408i-o_Gen11	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1079	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.3011.0000.0000-1.noarch.rpm	HPE_MR216i-p_Gen11	007.3011.0000.0000 (B)	007.3011.0000.0000-1
1080	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp065470.exe	HPE_MR416i-o_Gen11	7.3011.0.0 (B)	7.3011.0.0
1081	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp065470.exe	HPE_MR416i-p_Gen11	7.3011.0.0 (B)	7.3011.0.0
1082	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp065470.exe	HPE_MR216i-o_Gen11	7.3011.0.0 (B)	7.3011.0.0
1083	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp065470.exe	HPE_MR408i-o_Gen11	7.3011.0.0 (B)	7.3011.0.0
1084	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp065470.exe	HPE_MR216i-p_Gen11	7.3011.0.0 (B)	7.3011.0.0
1085	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	HPE_MR416i-o_Gen11	8.10.12.0 (B)	008.010.012.000-00
1086	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	HPE_MR416i-p_Gen11	8.10.12.0 (B)	008.010.012.000-00
1087	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.010.012.000-00.x86_64.rpm	HPE_MR216i-o_Gen11	8.10.12.0 (B)	008.010.012.000-00

1088	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministra-008.010.012.000-00.x86_64.rpm	HPE_MR408i-o_Gen11	8.10.12.0 (B)	008.010.012.0 00-00
1089	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministra-008.010.012.000-00.x86_64.rpm	HPE_MR216i-p_Gen11	8.10.12.0 (B)	008.010.012.0 00-00
1090	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp065472.exe	HPE_MR416i-o_Gen11	8.10.12.0 (B)	8.10.12.0
1091	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp065472.exe	HPE_MR416i-p_Gen11	8.10.12.0 (B)	8.10.12.0
1092	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp065472.exe	HPE_MR216i-o_Gen11	8.10.12.0 (B)	8.10.12.0
1093	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp065472.exe	HPE_MR408i-o_Gen11	8.10.12.0 (B)	8.10.12.0
1094	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp065472.exe	HPE_MR216i-p_Gen11	8.10.12.0 (B)	8.10.12.0
1095	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.45-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45-8.0
1096	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1097	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1098	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1099	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.45-8.0.x86_64.rpm	HPE SR932i-p Gen11	6.45.8.0	6.45-8.0
1100	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062921.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45-8.0
1101	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45-8.0
1102	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45-8.0
1103	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062921.exe	Smart Array S100i SR	6.45.8.0	6.45-8.0
1104	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062921.exe	HPE SR932i-p Gen11	6.45.8.0	6.45-8.0
1105	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.45-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45-8.0
1106	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1107	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1108	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45-8.0
1109	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.45-8.0.x86_64.rpm	HPE SR932i-p Gen11	6.45.8.0	6.45-8.0

1110	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062923.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45.8.0
1111	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1112	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1113	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062923.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1114	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062923.exe	HPE SR932i-p Gen11	6.45.8.0	6.45.8.0
1115	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaduccli-6.45-8.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45.8.0
1116	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaduccli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
1117	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaduccli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
1118	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaduccli-6.45-8.0.x86_64.rpm	Smart Array S100i SR	6.45.8.0	6.45.8.0
1119	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaduccli-6.45-8.0.x86_64.rpm	HPE SR932i-p Gen11	6.45.8.0	6.45.8.0
1120	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062922.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.45.8.0	6.45.8.0
1121	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1122	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1123	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062922.exe	Smart Array S100i SR	6.45.8.0	6.45.8.0
1124	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp062922.exe	HPE SR932i-p Gen11	6.45.8.0	6.45.8.0

6.3 パッケージの変更内容

Online ROM Flash Component for Windows x64 - System ROM U54

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too

many record IDs!") in the Linux environment during boot up.

- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.

- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.

- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - System ROM U63

Version: 2.48_03-11-2025

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
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- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
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- Added Zilia DIMM manufacturer ID for SMBIOS information.
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- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
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- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - System ROM U65

Version: 2.20_03-21-2025

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Catlow Refresh MR1 BKC.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.058.0.
- This version of the System ROM contains updates aligned with the Intel Catlow Refresh BKC CWL.1.A.4420.00.
- This version always set "RBSU¥Power and Performance option¥Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.048.0.
- This version of the System ROM contains updates aligned with the Intel Catlow PLR1 guidance.

Problems Fixed:

- Addressed an issue where the system may encounter RSOD and fail to update firmware while performing firmware update.
- Addressed an issue where the system may encounter RSOD if NVMe-oF target did not have partitions.

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the PSU fan keeps running at high speed after system shutdown.
- Addressed an issue where system may fail to update NVMe drive firmware.
- Addressed an issue where NVMe-oF system may not be detected during VMWare installation.
- Addressed an issue where the maximum frequency of the processor shows incorrectly after enable or disable Intel Turbo Boost.
- Addressed an issue where the system would use UUID for IPV6 DHCP when "RBSU¥Network Options¥Network Boot Options¥IPV6 DHCP Unique Identifier¥DUID-LLT" is selected.
- Addressed an issue where the Consistent Device Naming (CDN) may not work.
- Addressed an issue where the RBSU value is not aligned with the actual C1E setting.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where some strings of "NVMe-oF Configuration and Attempt pages" in system RBSU menu are still in English after switching the language to non-English version.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where the "Server Boot Order" in iLO web is not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where the "Pending Change light" may be on even if there is no option has been modified in RBSU.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controllers.
- Addressed an issue where system may stuck after enrolling many certificates and signatures.
- Addressed an issue where Driver Health Message may show twice in POST when drive is removed and cold boot.
- Addressed an issue where NS204i may not be identified as NVMe device.
- Addressed an issue where the virtual serial port may still have message output when the serial port is set to 'Disabled' or 'Physical Port'.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Added new Microsoft Option Rom UEFI CA 2023 secure boot key.
- Added "Smooth Cooling option" in the RBSU->Advanced Options->Fan and Thermal Options.
- Added Redfish API for Boot Progress.
- Updated Chinese and Japanese translation.
- Added the System Configuration (RBSU) option "Network Options/NVMe-oF Configuration". This setting has the following Redfish property: ¥"/redfish/v1/systems/1/Bios/oem/hpe/nvmeof/".

ROM Flash Firmware Package - System ROM U54

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value

after loading default settings.

- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.

- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.

- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

ROM Flash Firmware Package - System ROM U63

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.

- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
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- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-

English version.

- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
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- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
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- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
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- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor

Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.

- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
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- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
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- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the

following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt

- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - System ROM U59

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
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- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
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Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of

the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
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- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
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- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced

Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride

- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel

- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property:

/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

ROM Flash Firmware Package - System ROM U59

Version: 2.48_03-11-2025 (Recommended)

Important Notes:

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.047.0.

Firmware Dependencies:

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

Problems Fixed:

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.

- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.

- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in iLO Web.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order and then pressing F12 to Save and Exit.
- Removed value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform

Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/HwpmInterrupt
- Added Zilia DIMM manufacturer ID for SMBIOS information.
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- Added production HCI marker key for OEM activation for Windows Azure.
- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property:
/redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting

has the following Redfish property:

/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.67

Problems Fixed:

- Fixed an issue where there was no VSP output on DL360 Gen11 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
- Fixed an issue that did not allow to enable mTLS for subscription and returned error in loading client private key.
- Fixed an issue where param2 check-in challenge_auth response for NVIDIA adapter failed during SPDM authentication.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where a low value of the iLO reset progress bar time caused mismatch in the configuration during the iLO reset time.
- Fixed an issue where the IPMI fan's pwm values were set to a default of 255 to calculate dutycycle percentage.
- Fixed an issue with the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed a BundleUpdate issue for Smart components of size greater than 32MB size.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- Fixed the cpqHoMIBStatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.

Enhancements:

- Ability of iLO Redfish to raise a clear event notification for an air filter replacement.
- Support for the Virtual Media Mount URL length increased to 1023 characters.
- Ability of the iLO interface to set and obtain the thermal configuration setting called Smooth Cooling along with the other existing configurations.
- Support for reporting boot progress states and boot time of a system through standard DMTF Redfish API.

- Added support to Add to Queue pane to move the task to the start of the installation queue.
- Added support to display the total estimated fan power consumption of all the fans in the server in the power meter graphs.
- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

Online ROM Flash Firmware Package - iLO 6

Version: 1.67

Problems Fixed:

- Fixed an issue where there was no VSP output on DL360 Gen11 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
- Fixed an issue that did not allow to enable mTLS for subscription and returned error in loading client private key.
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- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

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

Version: 10.1.19886.8592 (Recommended)

Enhancements

- Updated supported environments

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

Version: 10.1.19879.8585 (B) (Recommended)

Enhancements

- Updated support environments

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022

Version: 232.0.155.7 (Recommended)

Important Note!

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

Fixes

This product fixes the issue where an unused release.txt file was not removed.

Enhancements

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025

Version: 232.0.155.7 (Recommended)

Important Note!

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

Fixes

This product fixes the issue where an unused release.txt file was not removed.

Enhancements

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.7.0 (B) (Recommended)

Important Note!

- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

Enhancements

- This product enhances to enable RSS code to support systems with more than 256 CPU cores.
- This product enhances to support Wake-on-LAN with 1G connection.

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 8

Version: 1.10.3-232.0.155.5 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 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 has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
- This product fixes the issue where IPv6 VXLAN decapsulation was not properly supported.
- This product fixes the issue where out-of-sequence (OOS) packets were being dropped.
- This product fixes the issue where flow priority levels 0-3 were not handled correctly.
- This product fixes the issue where the coredump file decoder crashes when generating a coredump summary.

Enhancements

- This product enhances to update the installation location for niclilom to the correct path.
- This product enhances functionality by querying DCB settings when the NETDEV_CHANGE event occurs.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 1.10.3-232.0.155.5 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 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 has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
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Enhancements

- This product enhances to update the installation location for nicclilom to the correct path.
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Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2025.03.00 (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 vib depot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

Enhancements

- This product enhances to add support for Tunnel based TPA (TCP Packet Aggregation).
- This product enhances the coredump feature for generating the summary of a coredump file.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0

Version: 2025.03.00 (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 vib depot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 or later, for use with this driver.

Enhancements

Initial release.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.

Version: 232.0.155.5 (Recommended)

Prerequisites

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

Enhancements

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 232.0.155.5 (Recommended)

Prerequisites

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

Enhancements

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.

Version: 232.0.155.5 (Recommended)

Prerequisites

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product. The libibverbs and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

- This product fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

Enhancements

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8

Version: 3.139q-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.40.x or later, for use with these drivers.

Prerequisites

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

Fixes

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

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 Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9

Version: 3.139q-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.40.x or later, for use with these drivers.

Prerequisites

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

Fixes

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

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 8

Version: 4.12.5-1 (Recommended)

Important Note!

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

Fixes

This product fixes the ethtool set_channels timeout when RDMA is loaded.

Enhancements

This product now sets the minimum number of allocated queues to 4.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel iavf Drivers for Red Hat Enterprise Linux 9

Version: 4.12.5-1 (B) (Recommended)

Important Note!

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

Enhancements

This product is now supported on a new platform.

Supported Devices and Features

This product supports the following network adapters:

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

HPE Intel igb Drivers for Red Hat Enterprise Linux 8

Version: 6.17.4-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.

Fixes

This product fixes the kernel compilation issue.

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
- Intel(R) I350 Gigabit Network Connection

HPE Intel igb Drivers for Red Hat Enterprise Linux 9

Version: 5.17.4-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.

Fixes

This product fixes the kernel compilation issue.

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
- Intel(R) I350 Gigabit Network Connection

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file. HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

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
- Intel(R) I350 Gigabit Network Connection

HPE Intel igbn Driver for VMware vSphere 9.0

Version: 2025.03.00 (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 HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

Initial version.

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
- Intel(R) I350 Gigabit Network Connection

Hat Enterprise Linux 8 Update 10 (x86_64)

Version: 24.10-0.7.0.1 (Recommended)

Important Note!

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

Fixes

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message:
"/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1)
mad_register_port_client() symbol did not need to be exported 2) The XDR speed decoding
functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the

depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

Enhancements

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar_page_index in create_cq flow. This allows the user to perform create_cq with a uar_page_index larger than 2^16 as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 8 update 10 (x86_64) supported by this binary rpm are:

- 4.18.0-553.el8_10 (x86_64) and future update kernels.

HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)

Version: 24.10-0.7.0.1 (Recommended)

Important Note!

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

Fixes

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message:
"/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1)
mad_register_port_client() symbol did not need to be exported 2) The XDR speed decoding
functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the
depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read
requests were posted.

Enhancements

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort
members of a Physical Function can be added to a rate group from another Physical Function and
rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA
tool, users will be able to monitor the InfiniBand device events and changes such as device register,
device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the
mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar_page_index in create_cq flow. This allows the user to
perform create_cq with a uar_page_index larger than 2^16 as supported by the
hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the
devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes
in a single command. This feature provides a more granular control over traffic management,
especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific
bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5
(RoCE).

Supported Devices and Features

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

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

HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)

Version: 24.10-0.7.0.1 (Recommended)

Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa_kernel RPMs) supports only Ethernet mode of operation
with RoCE (RDMA over Converged Ethernet) functionality for HPE Mellanox Ethernet-only adapters and

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

Fixes

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message:
"/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) `mad_register_port_client()` symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

Enhancements

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for `uar_page_index` in `create_cq` flow. This allows the user to perform `create_cq` with a `uar_page_index` larger than 2^{16} as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the `devlink-rate` API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 9 update 4 (x86_64) supported by this binary rpm are:

- 5.14.0-427.13.1.el9_4 (x86_64) and future update kernels.

Version: 24.10-1.1.4.1 (Recommended)

Important Note!

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

Fixes

The following issues have been fixed in version 24.10-1.1.4.1:

- `rte_eth_dev_start()` performed unnecessary recreation of `mlx5` control flow rules, resulting in increased delay of `rte_eth_dev_start()`.
- Firefly was not compliant with "SyncE to 1pps Class B/C Transient response" while using ConnectX7 FHHL adapter card.

Enhancements

The following new features and changes have been included in version 24.10-1.1.4.1:

- Enhanced firmware reset flow for Sync1 utilizing community-accepted hot reset kernel flow.

Supported Devices and Features

- 5.14.0-503.11.1 (x86_64) and future update kernels.

Intel i350 Driver for Windows Server 2019

Version: 14.0.5.0 (Recommended)

Important Note!

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

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

Intel i350 Driver for Windows Server 2022

Version: 14.0.5.0 (B) (Recommended)

Important Note!

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

Enhancements

This product now supports Azure Stack HCI OS.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

Intel i350 Driver for Windows Server 2025

Version: 14.1.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

Enhancements

Initial version.

Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

Intel ice Drivers for Red Hat Enterprise Linux 8

Version: 1.15.4-1 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

Enhancements

- This product now supports ethtool flow-type ether.
- This product now adds VF reset on Tx Malicious Driver Detection(MDD) event.
- This product now supports kernel's DPLL configuration.

Supported Devices and Features

This product supports the following network adapters:

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

Intel ice Drivers for Red Hat Enterprise Linux 9

Version: 1.15.4-1 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

Enhancements

This product is now supported on a new platform.

Supported Devices and Features

This product supports the following network adapters:

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

Intel icea Driver for Microsoft Windows Server 2022

Version: 1.15.121.0 (C) (Recommended)

Important Note!

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

Enhancements

This product now supports Azure Stack HCI OS.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

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

Intel icea Driver for Microsoft Windows Server 2025

Version: 1.15.302.0 (B) (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.60 or later, for use with this driver.

Enhancements

Initial version.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

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

Intel icea Driver for Windows Server 2019

Version: 1.15.121.0 (Recommended)

Important Note!

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

Fixes

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

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.5.

Supported Devices and Features

This driver supports the following HPE Intel ICEA network adapters:

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

Intel icen Driver for VMware vSphere 8.0

Version: 2025.03.00 (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 vibsddepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.60 or later, for use with these drivers.

Enhancements

This product is now supported on a new platform.

Supported Devices and Features

This product supports the following network adapters:

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

Intel icen Driver for VMware vSphere 9.0

Version: 2025.03.00 (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 vibsddepot.hpe.com webpages, plus an HPE specific CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.60 or later, for use with these drivers.

Enhancements

Initial version for VMware 9.0.

Supported Devices and Features

This product supports the following network adapters:

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

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019

Version: 24.10.26603.0 (Recommended)

Fixes

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

Enhancements

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

Supported Devices and Features

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022

Version: 24.10.26603.0 (Recommended)

Fixes

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

Enhancements

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

Supported Devices and Features

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025

Version: 24.10.26603.0 (Recommended)

Fixes

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

Enhancements

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

Supported Devices and Features

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Intel QuickAssist Technology driver for Microsoft Windows

Version: 2.3.0.6 (C) (Recommended)

Enhancements

- Updated Supported Environments HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat

Enterprise Linux 8

Version: 07.730.01.00 (Recommended)

sas-07.730.01.00_rhel8u9-2.x86_64.rpm

Enhancements

- Handle IOMMU restore at exit boot services
- Support Ubuntu 24.04 LTS HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat

Enterprise Linux 9

Version: 07.730.01.00 (B) (Recommended)

sas-07.730.01.00_rhel9u4-2.x86_64.rpm

Enhancements

- Support new Gen12 servers.

2019 edition

Version: 7.730.2.0 (Recommended)

Enhancements

- Add support for MR408i-p Gen11 controller HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows

2025 edition

Version: 7.730.2.0 (B) (Recommended)

Enhancements

- Support new Gen12 servers.

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

Version: 2025.01.01 (B) (Recommended)

Important Note!

- Actual Version is 7.730.1.0.

Enhancements

- Support new Gen12 servers.

for VMware vSphere 8.0 (Driver Component).

Version: 2025.02.01 (Recommended)

Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com, plus an HPE specific CPXXXX.xml file.
- Actual ESXi8.0 driver version is 80.4704.0.108

Enhancements

- Improve the tolerance of error handling.
- Enhancement of DMA engine attributes to prevent PSOD.

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

Version: 2.1.32-035 (Recommended)

Fixes

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

Supported Devices and Features

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

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

Version: 2.1.32-035 (Recommended)

Fixes

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

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 2019, Windows Server 2022 and Windows Server 2025

Version: 1016.10.0.1004 (Recommended)

Fixes

- Fixed the issue that memory dump sometimes cannot be captured when Remote Key Management mode is enabled.

Enhancements

- Added support for Windows Server 2025.
- Added support to enable DMA remapping feature for Windows Server 2025.

MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition

Version: 7.730.2.0 (B) (Recommended)

Enhancements

- Support new Gen12 servers.
- Support new OS Azure Stack HCI 23H2 .

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

Version: 14.4.393.20 (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 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command: `elxdrv-fc-version.exe /q2 extract=2` The extracted files are located: `C:\Users\Administrator\Documents\Emulex\Drivers\FC-version` Each kit folder has subsequent architecture folders with subsequent OS folders. For example, `C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019`

Supported Devices and Features

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

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

Version: 14.4.393.20 (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 14.4.393.20 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`

Supported Devices and Features

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

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

Version: 14.4.393.20 (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 14.4.393.20 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`

Supported Devices and Features

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

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

Version: 9.4.11.20 (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/>

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

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

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

Version: 9.4.11.20 (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/>

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

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

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

Version: 9.4.11.20 (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/>

Enhancements

Updated to version 9.4.11.20

Supported Devices and Features

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

Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters

Version: 14.4.329.9 (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

Version updated to 14.4.329.9

Supported Devices and Features

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

Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.13.03-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 10.02.13.03-k1

Supported Devices and Features

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

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

Version: 14.4.329.9 (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

Version updated to 14.4.329.9

Supported Devices and Features

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

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

Version: 10.02.13.03-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 10.02.13.03-k1

Supported Devices and Features

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

Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter

Version: 14.4.329.9 (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

Version updated to 14.4.329.9

Supported Devices and Features

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

Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters

Version: 14.4.329.9 (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

Version updated to 14.4.329.9

Supported Devices and Features

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

Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.13.03-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 10.02.13.03-k1

Supported Devices and Features

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

Version: 10.02.13.03-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 10.02.13.03-k1

Supported Devices and Features

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

Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019

Version: 2.61.54.0 (B) (Optional)

Enhancements

- Updated Supported Device
- Updated SBOM requirement

Supported Devices and Features

- Broadcom PCIe Switch Management Port PEX890xx

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (D) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (G) (Optional)

Enhancements

- Updated Supported Environments

iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (C) (Optional)

Enhancements

- Updated supported product

iLO 6 Channel Interface Driver for Microsoft Windows Server 2019

Version: 4.7.1.0 (D) (Optional)

Enhancements

- Updated supported platforms

iLO 6 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (G) (Optional)

Enhancements

- Updated Supported Environments

iLO 6 Channel Interface Driver for Microsoft Windows Server 2025

Version: 4.7.2.0 (C) (Optional)

Enhancements

- Updated supported product

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

Version: 9.15.1.268 (C) (Optional)

Enhancements

- Updated Supported Environments

Online ROM Flash Component for Linux - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

Online ROM Flash Component for Windows x64 - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

Online ROM Flash Firmware Package - iLO 6

Version: 1.67 (Recommended)

Fixes

Initial Build

Enhancements

Initial Build

Broadcom Firmware Package for BCM5741x adapters

Version: 232.1.132.8 (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 232.0.155.7 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

Fixes

- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where RDMA connections are not getting connected.
- This product fixes the issue where RoCE and TX/RX path core dump decoding failed.
- This product fixes the issue where Port 1 was not receiving broadcast packets with ESXi.
- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where PXE boot does not work with VLAN configurations.

Enhancements

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to streamline configuration.
- This product enhances the coredump feature in the BNXT driver for improved diagnostics.
- This product enhances to update the driver to suppress the HII MBA menu for a cleaner interface.

Supported Devices and Features

This product supports the following network adapters:

Broadcom Firmware Package for BCM5750x adapters

Version: 232.1.132.8 (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 232.0.155.7 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

Fixes

- This product fixes the issue where the firmware fails to send a reset notification to the driver during error recovery.
- This product fixes the issue where the RDE bejString special character escape sequences were incorrectly encoded.
- This product fixes the issue where the PLDM port link speed sensor reading and event values were reported as negative.
- This product fixes the issue where the XDP/LPBK L2 context entry caused resource leaks.
- This product fixes the issue where XDP flows were not properly freed by ensuring they are released only when the MAC address is non-zero.

Enhancements

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to simplify network configuration.
- This product enhances system stability by adjusting MSI-X vector counts to prevent resource exhaustion.
- This product enhances SPDM functionality by setting the MsgTag in the MCTP transport header.
- This product enhances the coredump feature in the BNXT driver for better diagnostic capabilities.
- This product enhances network performance by adding the RX rate profile and improving DPDK functionality.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.40.0 (Recommended)

Important Note!

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.139q 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 where MBA configuration reset to defaults after updating firmware.

Enhancements

This product enhances libfwupg to improve NVRAM configuration updates.

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: 1.41.0 (Recommended)

Important Note!

This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	N/A	21.6.85

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 where MBA configuration reset to defaults after updating firmware.

Enhancements

This product enhances libfwupg to improve NVRAM configuration updates.

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 NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.4.0 (Recommended)

Important Note!

HPE recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.7.0 or later, for use with this firmware. This software package contains combo image v20.32.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.60	21.6.4	1.5.60	21.6.85
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	N/A	21.6.85

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 where MBA configuration reset to defaults after updating firmware.

Enhancements

This product enhances libfwupg to improve NVRAM configuration updates.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.60 (B) (Recommended)

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Enhancements

Add new support platform.

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: 4.60 (B) (Recommended)

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Enhancements

Add new support platform.

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: 4.60 (B) (Recommended)

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Enhancements

Add new support platform.

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: 4.60 (B) (Recommended)

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Enhancements

Add new support platform.

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: 4.60 (B) (Recommended)

Important Note!

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

- Intel icea Driver for Microsoft Windows Server, version 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Enhancements

Add new support platform.

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: 1.32.0 (Recommended)

Prerequisites

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

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

Intel Online Firmware Upgrade Utility for VMware

Version: 3.25.0 (B) (Recommended)

Important Note!

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

NIC	EEPROM/N VM Version	OROM Version	NVM Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3682.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3682.0	N/A

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM

version.

Prerequisites

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

Enhancements

This product now supports VMware 9.0

Supported Devices and Features

This package supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.3.0 (B) (Recommended)

Important Note!

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

NIC	EEPROM/N VM Version	OROM Version	NVM Version
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	8000123F	1.3682.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3682.0	N/A

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

Prerequisites

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

Enhancements

This product now supports VMware 9.0

Supported Devices and Features

This package supports the following network adapters:

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

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

Version: 26.43.1014 (Recommended)

Important Note!

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Prerequisites

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

Fixes

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device. New features and changes included in version 26.43.1014:

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry.

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESOURCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
 - QUERY_VUID with direct data
 - QUERY_ROCE_ADDRESS with other vport
 - SET_HCA_CAP with other function
 - POSTPONE_CONNECTED_QP_TIMEOUT with other vport
- The new added caps are:

- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
- tool_partial_cap.set_hca_cap_other_func
- tool_partial_cap.query_roce_addr_other_vport
- tool_partial_cap.query_vuid_direct_data
- tool_partial_cap.query_hca_cap_other_func
- Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side of a table.

Supported Devices and Features

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

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

Version: 26.43.1014 (Recommended)
Ax.pldm.json

Important Note!

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Prerequisites

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

Fixes

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**New features and changes included in version 26.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry.

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESOURCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
 - QUERY_VUID with direct data
 - QUERY_ROCE_ADDRESS with other vport
 - SET_HCA_CAP with other function
 - POSTPONE_CONNECTED_QP_TIMEOUT with other vport
- The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
 - tool_partial_cap.set_hca_cap_other_func
 - tool_partial_cap.query_roce_addr_other_vport
 - tool_partial_cap.query_vuid_direct_data
 - tool_partial_cap.query_hca_cap_other_func
 - Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
 - Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side of a table.

Supported Devices and Features

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

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.43.1014 (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
200GbE/50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported
1GbE	supported	not supported	not supported	supported

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

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Prerequisites

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

Fixes

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

Enhancements

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

firmware security and reliability of your device.New features and changes included in version 20.43.1014:

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESOURCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
 - QUERY_VUID with direct data
 - QUERY_ROCE_ADDRESS with other vport
 - SET_HCA_CAP with other function
 - POSTPONE_CONNECTED_QP_TIMEOUT with other vport
- The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
 - tool_partial_cap.set_hca_cap_other_func
 - tool_partial_cap.query_roce_addr_other_vport
 - tool_partial_cap.query_vuid_direct_data
 - tool_partial_cap.query_hca_cap_other_func

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21)	20.43.1014	MT_0000000453

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

Version: 22.43.1014 (Recommended)

Ax.pldm.json

Important Note!

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Prerequisites

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

Fixes

The following issues have been fixed in version 22.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- An upgrade issue that required firmware v22.36.1010 as an intermediate version when upgrading the firmware from v22.33.0428 or below to versions above 22.36.1010.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

Enhancements

Security Hardening Enhancements: This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.**New features and changes included in version 22.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry .

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESOURCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
 - QUERY_VUID with direct data
 - QUERY_ROCE_ADDRESS with other vport
 - SET_HCA_CAP with other function
 - POSTPONE_CONNECTED_QP_TIMEOUT with other vport
- The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
 - tool_partial_cap.set_hca_cap_other_func
 - tool_partial_cap.query_roce_addr_other_vport
 - tool_partial_cap.query_vuid_direct_data
 - tool_partial_cap.query_hca_cap_other_func
 - Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
 - Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side

of a table.

- Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Increased the maximum number of supported "ARC-IN" from 1 to 8 and "ARCOUT" from 3 to 8 for the dynamic flex parser.

Supported Devices and Features

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

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: 28.44.1036 (Recommended)

HPE2_Ax.pldm.json

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/connectx7firmwarev28441036/known+issues>

Fixes

The following issues have been fixed in version 28.44.1036:

- Cable info semaphore deadlock.
- Improper error handling for the TLV full list, which caused the TLV mechanism to hang.
- The SPDM GET_CERTIFICATE operation did not support all certificate chain offsets and chunk sizes.
- An issue in VDPA where destroying a virtq would cause a health buffer syndrome with ext_synd=0x8f33 if the virtq was created without an mkey or with unmanned and mapped mkeys during live migration.

- The VDPA feature bits GUEST_TSO4 and GUEST_TSO6 were unexpectedly set by default, leading to traffic interruptions.
- Enabling PCC NP and setting the link type to one port as IB and the other as Ethernet could cause an assert to appear in dmesg with ext_synd 0x8309.

Enhancements

New features and changes included in version 28.44.1036:

- Increased the RX lossless buffer size to delay the transmission of Pause/PFC frames during NIC congestion.
- Added support for SyncE at 1G link speed.
- Added a new mechanism for allocations and deallocations flows to enhance parallelism.
- When using a multi-host deployment, each host is assigned unique ports and PFs and manages its own LAG.
- Added support for a new synchronized flow, including a tool and driver, to perform a fwreset on setups with a PCIe switch configuration.
- Unified PTP is now supported across different VFs on the same PF.
- Added support for new MADs: PortRecoveryPolicyConfig and PortRecoveryPolicyCounters . During the PHY recovery process, the firmware core will indicate the port_logical_state as Active.
- Added a new NV config (SM_DISABLE, default 0) which, when enabled, blocks SMP traffic that does not originate from the SM.
- Added the ability to set cable length as a parameter in the PFCC access register. The cable length is used in the calculation of RX lossless buffer parameters, including size, Xoff, and Xon thresholds.

Supported Devices and Features

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: 28.44.1036 (Recommended)

HPE2_Ax.pldm.json

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/connectx7firmwarev28441036/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 28.44.1036:

- Cable info semaphore deadlock.
- Improper error handling for the TLV full list, which caused the TLV mechanism to hang.
- The SPDM GET_CERTIFICATE operation did not support all certificate chain offsets and chunk sizes.
- An issue in VDPA where destroying a virtq would cause a health buffer syndrome with ext_synd=0x8f33 if the virtq was created without an mkey or with unmanned and mapped mkeys during live migration.
- The VDPA feature bits GUEST_TSO4 and GUEST_TSO6 were unexpectedly set by default, leading to traffic interruptions.
- Enabling PCC NP and setting the link type to one port as IB and the other as Ethernet could cause an assert to appear in dmesg with ext_synd 0x8309.

Enhancements

New features and changes included in version 28.44.1036:

- Increased the RX lossless buffer size to delay the transmission of Pause/PFC frames during NIC congestion.
- Added support for SyncE at 1G link speed.
- Added a new mechanism for allocations and deallocations flows to enhance parallelism.
- When using a multi-host deployment, each host is assigned unique ports and PFs and manages its own LAG.
- Added support for a new synchronized flow, including a tool and driver, to perform a fwreset on setups with a PCIe switch configuration.
- Unified PTP is now supported across different VFs on the same PF.
- Added support for new MADs: PortRecoveryPolicyConfig and PortRecoveryPolicyCounters . During the PHY recovery process, the firmware core will indicate the port_logical_state as Active.
- Added a new NV config (SM_DISABLE, default 0) which, when enabled, blocks SMP traffic that does not originate from the SM.
- Added the ability to set cable length as a parameter in the PFCC access register. The cable length is used in the calculation of RX lossless buffer parameters, including size, Xoff, and Xon thresholds.

Supported Devices and Features

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

Version: GPK7 (G) (Recommended)

Fixes

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

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

Version: GPK5 (G) (Recommended)

Fixes

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

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

Version: GPK7 (G) (Recommended)

Fixes

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

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

Version: HPK6 (B) (Recommended)

Fixes

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

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

Version: HPK6 (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

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

Enhancements

- Added support for ESXi 9.0.

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

Version: GPK7 (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 ESXi 9.0.

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

Version: GPK5 (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 ESXi 9.0.

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

Version: GPK7 (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 ESXi 9.0.

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

Version: GPK7 (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 Stack HCI 23H2

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

Version: GPK5 (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 Stack HCI 23H2

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

Version: GPK7 (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 Stack HCI 23H2

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

Version: HPK6 (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

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

Enhancements

- Added support for Azure Stack HCI 23H2

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

Version: HPK1 (Recommended)

Fixes

- Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on Gen11 x2 direct attached system.

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: HPK4 (Recommended)

Important Note!

If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Fixes

- Firmware maintenance release on HPK4.
- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Universal Firmware Package for Drives - VR000480KXLXF

Version: HPK3 (Recommended)

Fixes

Firmware maintenance release of HPK3

- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK3 to HPK2, a reset/POR is required.
- SSID will change from a801 to 03b5 after FW update to HPK3.

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: HPK2 (Recommended)

Fixes

- This is a recommended FW release that provides bug fixes for the HPK2

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 timeout/ failures.

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

Version: HPK3 (Recommended)

Fixes

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

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

Version: HPK3 (Recommended)

Fixes

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

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

Version: HPK3 (Recommended)

Fixes

- The FW address: PCIe link drop and Other regular FW patches release.

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

Version: HPK6 (Recommended)

Fixes

Fixes PCIe link drop, Drive detection after hot re-insert on Windows and includes other regular FW patch

releases.

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

Version: HPS3 (Recommended)

Fixes

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

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 - 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 (C) (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 (D) (Recommended)

Important Note!

Important Notes:Ver. 1.2.2(D) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision D 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.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(D) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision D 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.Firmware Dependencies:None

Enhancements/New Features:

This is the initial verison of the firmware.Known Issues:None

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

Version: 1.0.4 (C) (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 (C) (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 (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: 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.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPDA (E) (Recommended)

Important Note!

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

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (I) (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 flashing issue through SDR method

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

Version: HPD3 (Recommended)

Fixes

- Fix to Assert fixes, current firmware improvements and bug fixes.

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

Version: HPDA (E) (Recommended)

Important Note!

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

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDDB, MO001600PXDCC, MO003200PXDCE, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.

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

Version: HPD4 (Recommended)

Fixes

Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.

- Adding other logging and FW enhancements.

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

Version: HPD8 (F) (Recommended)

Important Note!

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

Fixes

- Fixed flashing issue through SDR method

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

Version: HPD3 (B) (Recommended)

Fixes

Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.

- Adding other logging and FW enhancements.

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 (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

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (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.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPD3 (C) (Recommended)

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZVQ and MB018000JYCLK Drives

Version: HPD4 (C) (Recommended)

Important Note!

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

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (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

- Fixed flashing issue through SDR method

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

Version: HPDC (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) - 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

- Fixed flashing issue through SDR method

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

Version: HPD5 (E) (Recommended)

Important Note!

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

Fixes

- Fixed flashing issue through SDR method

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

Version: HPD8 (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

- Fixed flashing issue through SDR method

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

Version: HPD8 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPDA (D) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFFVN and MB004000JWFFVP 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 ESXi 9.0.

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

Version: HPD4 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD3 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD4 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN 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 9.0.

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

Version: HPD3 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPDA (E) (Recommended)

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD5 (E) (Recommended)

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD8 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD8 (C) (Recommended)

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD4 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD4 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPDC (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 9.0.

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

Version: HPD3 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD8 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for ESXi 9.0.

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

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPDA (D) (Recommended)

Important Note!

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

Fixes

- Added support for Azure Stack HCI 23H2.

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

Version: HPD4 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP 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 Azure Stack HCI 23H2.

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

Version: HPD4 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - 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 Azure Stack HCI 23H2.

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

Version: HPD3 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

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 (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 Stack HCI 23H2.

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

Version: HPD4 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Enhancements

- Added support for Azure Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN 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 Stack HCI 23H2.

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

Version: HPD4 (C) (Recommended)

Important Note!

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

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Stack HCI 23H2

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

Version: HPD4 (C) (Recommended)

Important Note!

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

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPDC (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 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 Stack HCI 23H2

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

Version: HPD3 (C) (Recommended)

Important Note!

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

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPD3 (B) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPDA (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 Stack HCI 23H2.

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

Version: HPD5 (E) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPD8 (C) (Recommended)

Important Note!

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

Enhancements

- Added support for Azure Stack HCI 23H2.

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: HPD1 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MB24000JYEVE

Version: HPD1 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, 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, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU

Version: HPD2 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSE and MO006400PZXFA

Version: HPD3 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

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

Version: HPD3 (B) (Recommended)

Fixes

- Remove ROM flash way from this FWPKG.

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 (Recommended)

Fixes

- Fix to Assert fixes, current firmware improvements and bug fixes.

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives

Version: HPG6 (L) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG1 (M) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG1 (L) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG1 (L) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG2 (C) (Recommended)

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive

Version: HPG5 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives

Version: HPG8 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZVVT, MB014000GZVU, MB016000GZVU and MB018000GYCLL Drives

Version: HPG4 (C) (Recommended)

Important Note!

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

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

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG4 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG3 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG1 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG6 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG9 (E) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives

Version: HPG7 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG1 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG3 (D) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

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

Version: HPG2 (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ 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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives

Version: HPG6 (K) (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 9.0.

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

Version: HPG1 (K) (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 9.0.

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

Version: HPG1 (K) (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - 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.
- In AHCI configuration only offline flashing is supported.

Enhancements

- Added support for ESXi 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFF Drive

Version: HPG5 (C) (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZVVT, MB014000GZVU, MB016000GZVV and MB018000GYCLL Drives

Version: HPG4 (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 9.0.

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

Version: HPG4 (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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 9.0.

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

Version: HPG1 (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 9.0.

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

Version: HPG6 (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 9.0.

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

Version: HPG9 (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 9.0.

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

Version: HPG7 (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 9.0.

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

Version: HPG1 (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 9.0.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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 9.0.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GFWL Drives

Version: HPG6 (J) (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 Stack HCI 23H2.

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

Version: HPG1 (J) (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 Stack HCI 23H2.

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

Version: HPG1 (J) (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 Stack HCI 23H2..

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

Version: HPG1 (J) (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 Stack HCI 23H2.

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

Version: HPG2 (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 Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive

Version: HPG5 (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 Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives

Version: HPG8 (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 Stack HCI 23H2.

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

Version: HPG4 (C) (Recommended)

Important Note!

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Stack HCI 23H2.

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

Version: HPG4 (C) (Recommended)

Important Note!

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

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

Enhancements

- Added support for Azure Stack HCI 23H2

Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ 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 Azure Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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 Stack HCI 23H2.

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

Version: HPG1 (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 Stack HCI 23H2.

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

Version: HPG6 (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 Stack HCI 23H2.

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

Version: HPG9 (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 Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTTL and MK003840GWTTN Drives

Version: HPG7 (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 Stack HCI 23H2.

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

Version: HPG1 (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 Stack HCI 23H2.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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 Stack HCI 23H2.

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: HPG1 (Recommended)

Fixes

- Fix FW assert and other regular fixes

Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD

Version: HPG2 (Recommended)

Fixes

1.Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.

2. Adding other logging and FW enhancements.

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: HPG2 (Recommended)

Fixes

1) Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.

2) Adding other logging and FW enhancements.

Universal Firmware Package for Drives - MB24000GYEVK

Version: HPG1 (Recommended)

Fixes

- FW assert fix and other regular maintenance release.

Universal Firmware Package for Drives -

**MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYC
NH ,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: 7.43 (Recommended)

Fixes

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did not fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a lockup issue that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.

- Fixed an intermittent MCTP communication issue during AC power cycle tests on specific configurations.
- Fixed an MCTP communication issue in AMD Turin 2P configurations.
- Fixed a lockup issue that could occur when a timeout occurs with expander attached SATA drives.
- Fixed an issue with improper support checking for the secure erase command.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

Enhancements

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

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

Version: 1.2.14.1018 (C) (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. For Gen10 plus server users, the NS204i firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.0.14.1063 in below link:

- Windows: <https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433>
- Vmware: <https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6>

Prerequisites

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

Enhancements

- Support new servers.

Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

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

Enhancements

- Support new Gen12 servers.

Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-p Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

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

Enhancements

- Support new Gen12 servers.

Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on HPE MR408i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

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

Enhancements

- Support new Gen12 servers.

Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

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

Enhancements

- Support new Gen12 servers.

Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller

Version: 52.30.3-5917 (B) (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-p Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Prerequisites

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

Enhancements

- Support new Gen12 servers.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.33.044 (Recommended)

Fixes

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives or slow drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did no't fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.

- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a possible lockup that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed a potential issue where a good drive could be incorrectly marked as a predictive failure drive.
- Fixed a lockup issue that could occur during I/O to a degraded volume using Smart Path.
- Fixed a drive firmware update failure due to incorrect handling of sense data for specific SATA drives.
- Fixed a Controller boot failure when inserted in PCIe Gen 6 systems.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

Enhancements

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive

Version: GDC7502Q (C) (Recommended)

Important Note!

Samsung has found that the bridge FW could make error mode on PCIe link down under Lane reduction situation

Fixes

SHA384 fix

Enhancements

SHA384 fix

HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 14.4.473.14 (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	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Prerequisites

The minimum version for adapter to support PLDM is 14.0.499.25

Enhancements

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	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0
HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	14.4.473.14	14.4.473.14	14.4.473.8	14.4.469.0

Supported Devices and Features

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

HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters

Version: 02.10.08 (Recommended)

Important Note!

Release Notes: [HPE QLogic Adapters Release Notes](#) This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
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HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.10.08	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter	64Gb	02.10.08	09.15.05	7.39	0.0
HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter	64Gb	02.10.08	09.15.05	7.39	0.0

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 02.10.08 09.15.05 7.39 0.0 HPE
SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter 32Gb 02.10.08 09.15.05 7.39 0.0 HPE SN1700Q
64Gb Dual Port Fibre Channel Host Bus Adapter 64Gb 02.10.08 09.15.05 7.39 0.0 HPE SN1700Q 64Gb
Single Port Fibre Channel Host Bus Adapter 64Gb 02.10.08 09.15.05 7.39 0.0

Supported Devices and Features

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

Firmware Package - UBM10 Backplane PIC PLDM Firmware

Version: 1.02 (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

Fixed Secure boot not enable.

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.

Enhancements

New vesion with 1.16

Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage

Version: 1.04 (C) (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

Support SY480 Gen12 server.

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(Controllor 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: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package

for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (B) (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package

for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (B) (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Deliverable Name: Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version: 06.01.04.075.0 Last Recommended or Critical Revision: 06.01.04.075.0 Previous Revision: 06.01.04.047.0 Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Problems Fixed: None Known Issues: None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems

Version: 06.01.04.075.0 (Recommended)

Important Note!

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

Enhancements

Important Notes: This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40. Firmware Dependencies: None

Enhancements/New Features:

This version is in compliance with Intel uPLR3 guidance. Known Issues: None

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems

Version: 06.03.04.048.0 (Recommended)

Enhancements

Version 06.03.04.048.0 firmware

HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)

Version: 6.0.0-0 (B) (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

Enabling rpm installation when OS is in FIPS mode

Enhancements

None

HPE Lights-Out Online Configuration Utility for Windows x64 Editions

Version: 6.0.0.0 (A) (Optional)

Important Note!

RIBCL and the scripting tools including HPQLOCFG, HPE Lights-Out XML PERL Scripting Sample for Linux (includes LOCFG.PL), HPE Lights-Out XML Scripting Sample for Windows, HPONCFG for Windows, HPONCFG for Linux, and 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 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

None.

Enhancements

Added support for Windows 2025

HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0

Version: 2025.03.00 (Recommended)

Enhancements

Support VMware ESXi 9.0.

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

Version: 2025.02.01 (Recommended)

Important Note!

- Actual ESXi ssaccli version is 6.45.8.0

Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers

Version: 2025.03.01 (Recommended)

Important Note!

- Actual ESXi Version is 6.50.8.0

Enhancements

- Initial Release.

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

Version: 2025.01.01 (B) (Recommended)

Important Note!

- Actual ESXi Version is 007.3011.0000.0000

Enhancements

- Support new Gen12 servers.

HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)

Version: 2025.01.01 (Recommended)

Important Note!

- Actual ESXi Version is 007.3011.0000.0000

Enhancements

- Initial release.

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (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 5.4.83.1 This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

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

HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (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.

Prerequisites

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

Enhancements

Driver version 5.4.82.1

Supported Devices and Features

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

HPE QLogic Fibre Channel driver component for VMware vSphere 9.0

Version: 2025.03.01 (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 5.4.83.1 This driver is only supported on VMware ESXi 9.0

Supported Devices and Features

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

Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)

Version: 4.2-1 (d) (Optional)

Prerequisites

Requires the following packages to be installed: glibc libgcc libstdc++ bash perl

Fixes

This Component is FIPs enabled.

Enhancements

This package supports only Red Hat Enterprise Linux (RHEL) Distros This Component is FIPs enabled.

Supported Devices and Features

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.4.466.0 (Recommended)

Important Note!

This component is supported only on Gen11 ProLiant servers. Release notes: Broadcom Release notes The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media)

Prerequisites

The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

Enhancements

Updated to version 14.4.466.0

Supported Devices and Features

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

HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2019 (x86_64)

Version: 1.0.0.1 (b) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The latest Emulex FC driver 14.0.534.0 is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/> However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (b) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com. HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver v14.0.534.0 cp054344.exe However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)

Version: 1.0.0.1 (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com. HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver v14.4.313.0 cp061970.exe However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE Emulex Smart SAN Enablement Kit for Linux

Version: 1.0.0.0-4 (d) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Fixes

This Component is FIPs enabled.

Enhancements

Updated to version 1.0.0.0-4 This Component is FIPs enabled.

Supported Devices and Features

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

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

Version: 6.0.0.1-4 (b) (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Enhancements

Updated the kit to version 6.0.0.1-4

Supported Devices and Features

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

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2019 (x86_64)

Version: 1.0.0.1 (b) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The latest Qlogic FC driver 9.4.6.20 is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/> However, if a Smart SAN enabled driver is not installed at

execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (b) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2022 version 9.4.6.20, cp054361.exe However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)

Version: 1.0.0.1 (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred. Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2022 version 9.4.6.20, cp054361.exe However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Enhancements

Updated to version 1.0.0.1

Supported Devices and Features

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

HPE QLogic Smart SAN Enablement kit for Linux

Version: 3.3-3 (d) (Optional)

Important Note!

Release Notes: [HPE QLogic Adapters Release Notes](#) Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link: <http://www.hpe.com/storage/spock/> The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at www.hpe.com.

- Red Hat Enterprise Linux 8 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.00-k1.

- Red Hat Enterprise Linux 9 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.00-k1.

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

Fixes

This Component is FIPs enabled.

Enhancements

Updated to version 3.3-3 This Component is FIPs enabled.

Supported Devices and Features

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

Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server

Version: 4.0.0 (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 (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server

Version: 3.7.0 (Recommended)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus Servers and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.

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: 4.10.0.0 (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: 2025.03.01 (Recommended)

Prerequisites

For HPE servers with iLO 7: Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE

Fixes

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

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)

Version: 8.10.12.0 (B) (Recommended)

Prerequisites

- For SLES15 and above platforms, one of the dependent rpms - 'insserv-compat' is required during installation/uninstallation. This is needed because MRSA startup script is based on SysV/init script and insserv adds as a bridge between SysV/init script and systemctl.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.

Enhancements

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)

Version: 8.10.12.0 (B) (Recommended)

Important Note!

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Enhancements

- Support new Gen12 servers.

HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)

Version: 007.3011.0000.0000 (B) (Recommended)

Enhancements

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)

Version: 7.3011.0.0 (B) (Recommended)

Important Note!

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

Enhancements

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (Recommended)

Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (Recommended)

Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (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.

Fixes

- Fixed inappropriately prompted Rapid Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives.

Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (Recommended)

Fixes

- Fixed inappropriately prompted Rapid Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (Recommended)

Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.45.8.0 (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).

Fixes

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

Enhancements

- Added Write Cache Status field to the info page for physical drives when "pd all showdetail" is used.