

VMware Deliverable Release Notes

This document does not apply to HPE Superdome servers. For information on HPE Superdome, see the following links:

[HPE Integrity Superdome X](#)
[HPE Superdome Flex](#)

Information on HPE Synergy supported VMware ESXi OS releases, HPE ESXi Custom Images and HPE Synergy Custom SPPs is available at:

[OS Support Tool for HPE Synergy](#)

Information on HPE Synergy Software Releases is available at:

[HPE Synergy Software Releases - Overview](#)

Gen10 SPP 2026.05.00.00 Release Notes for VMware ESXi 8.0 U3

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BIOS - System ROM

ROM Flash Firmware Package - HPE Apollo 4200 Gen10/HPE ProLiant XL420 Gen10 (U39) Servers

Version: 3.66_04-01-2026 (**Optional**)

Filename: U39_3.66_04_01_2026.fwpkg

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Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE Apollo 4200 Gen10/ProLiant XL420 Gen10 System ROM - U39

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 (U40) Servers

Version: 3.66_04-01-2026 (**Optional**)

Filename: U40_3.66_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE Apollo 4510 Gen10/HPE ProLiant XL450 Gen10 System ROM - U40

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL160 Gen10/DL180 Gen10 (U31) Servers

Version: 3.66_04-01-2026 (**Optional**)

Filename: U31_3.66_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL160 Gen10/DL180 Gen10 System ROM - U31

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 (U43) Servers
Version: 3.74_04-01-2026 (**Recommended**)
Filename: U43_3.74_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL20 Gen10 System ROM - U43

Release Version:

3.74_04-01-2026

Last Recommended or Critical Revision:

3.74_04-01-2026

Previous Revision:

3.72_01-09-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

ROM Flash Firmware Package - HPE ProLiant DL20 Gen10 Plus Servers

Version: 2.64_04-01-2026 (**Recommended**)

Filename: U60_2.64_04_01_2026.fwpkg

Important Note!

Important Notes:

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE System ROM - U60

Release Version:

2.64_04-01-2026

Last Recommended or Critical Revision:

2.62_03-05-2026

Previous Revision:

2.62_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes

Important Notes:

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

ROM Flash Firmware Package - HPE ProLiant DL325 Gen10 (A41) Servers

Version: 3.72_04-01-2026 (**Optional**)

Filename: A41_3.72_04_01_2026.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL325 Gen10 System ROM - A41

Release Version:

3.72_04-01-2026

Last Recommended or Critical Revision:

3.70_01-09-2026

Previous Revision:

3.70_01-09-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Problems Fixed:

None

Known Issues:

None

Enhancements**Important Notes:**

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL360 Gen10 (U32) Servers

Version: 3.66_04-01-2026 **(Optional)**

Filename: U32_3.66_04_01_2026.fwpkg

Important Note!**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL360 Gen10 System ROM - U32

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL380 Gen10 (U30) Servers

Version: 3.66_04-01-2026 **(Optional)**

Filename: U30_3.66_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE System ROM - U30

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL385 Gen10 (A40) Servers
Version: 3.72_04-01-2026 (**Optional**)
Filename: A40_3.72_04_01_2026.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE DL385 Gen10 System ROM - A40

Release Version:

3.72_04-01-2026

Last Recommended or Critical Revision:

3.70_01-09-2026

Previous Revision:

3.70_01-09-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors. This revision of the System ROM includes AMD reference code NaplesPI 1.0.0.S for AMD 1st Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant DL560 Gen10/DL580 Gen10 (U34) Servers
Version: 3.66_04-01-2026 (**Optional**)
Filename: U34_3.66_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL560 Gen10/DL580 Gen10 System ROM - U34

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.
Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.
Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant MicroServer Gen10 Plus v2 (U64) Servers
Version: 2.64_04-01-2026 (**Recommended**)
Filename: U64_2.64_04_01_2026.fwpkg

Important Note!**Important Notes:**

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant MicroServer Gen10 Plus v2 System ROM - U64

Release Version:

2.64_04-01-2026

Last Recommended or Critical Revision:

2.62_03-05-2026

Previous Revision:

2.62_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.
Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes**Important Notes:**

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

ROM Flash Firmware Package - HPE ProLiant ML110 Gen10 (U33) Servers

Version: 3.66_04-01-2026 (**Optional**)

Filename: U33_3.66_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant ML110 Gen10 System ROM - U33

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 (U44) Servers

Version: 3.74_04-01-2026 (**Recommended**)

Filename: U44_3.74_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant ML30 Gen10 System ROM - U44

Release Version:

3.74_04-01-2026

Last Recommended or Critical Revision:

3.74_04-01-2026

Previous Revision:

3.72_01-09-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.05.103.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Mitigates CVE-2024-38798 through an EDK2 fix that clears password keystroke buffers after entry to avoid potential information disclosure.

Addressed ESKM key generation/shortening issue to prevent SED unlock failures by validating/regenerating malformed keys.

Fixed Power Calibration retry handling bug that could prevent expected power calibration behavior when requested by iLO.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

ROM Flash Firmware Package - HPE ProLiant ML30 Gen10 Plus Servers

Version: 2.64_04-01-2026 (**Recommended**)

Filename: U61_2.64_04_01_2026.fwpkg

Important Note!

Important Notes:

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant ML30 Gen10 Plus System ROM - U61

Release Version:

2.64_04-01-2026

Last Recommended or Critical Revision:

2.62_03-05-2026

Previous Revision:

2.62_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes**Important Notes:**

None

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus.

ROM Flash Firmware Package - HPE ProLiant ML350 Gen10 (U41) Servers

Version: 3.66_04-01-2026 **(Optional)**

Filename: U41_3.66_04_01_2026.fwpkg

Important Note!**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant ML350 Gen10 System ROM - U41

Release Version:

3.66_04-01-2026

Last Recommended or Critical Revision:

3.64_02-05-2026

Previous Revision:

3.64_02-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Problems Fixed:

None

Known Issues:

None

Enhancements**Important Notes:**

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.201.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable via RBSU.

Known Issues:

None

ROM Flash Universal Firmware Package - HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus (A43) Servers

Version: 4.04_04-02-2026 (**Recommended**)

Filename: A43_4.04_04_02_2026.fwpkg

Important Note!**Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL325/DL325 v2/DL345 Gen10 Plus System ROM - A43

Release Version:

4.04_04-02-2026

Last Recommended or Critical Revision:

4.04_04-02-2026

Previous Revision:

4.02_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes**Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

ROM Flash Universal Firmware Package - HPE ProLiant DL360/DL380 Gen10 Plus (U46) Servers
Version: 2.64_04-01-2026 (**Optional**)
Filename: U46_2.64_04_01_2026.fwpkg

Important Note!

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.925 (2.60_12_05_2025).

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE ProLiant DL360/DL380 Gen10 Plus System ROM - U46

Release Version:

2.64_04-01-2026

Last Recommended or Critical Revision:

2.62_03-05-2026

Previous Revision:

2.62_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus and Factory Options.

Enabled BIOS log to AHS every boot by default after a ROM update. Users can disable this setting through RBSU if desired.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes

Important Notes:

This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.925 (2.60_12_05_2025).

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility, and BGRT) to reflect the new HPE corporate identity.

Added multi-language translation support for Chinese and Japanese in RBSU setup menus and Factory Options.

Enabled BIOS log to AHS every boot by default after a ROM update. Users can disable this setting through RBSU if desired.

ROM Flash Universal Firmware Package - HPE ProLiant DL365/DL385/DL385 v2 Gen10 Plus (A42) Servers
Version: 4.04_04-02-2026 (**Recommended**)
Filename: A42_4.04_04_02_2026.fwpkg

Important Note!

Important Notes:

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Deliverable Name:

HPE System ROM - A42

Release Version:

4.04_04-02-2026

Last Recommended or Critical Revision:

4.04_04-02-2026

Previous Revision:

4.02_03-05-2026

Firmware Dependencies:

None

Enhancements/New Features:

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Fixes**Important Notes:**

This revision of the System ROM includes AMD reference code MilanPI 1.0.0.J for AMD 3rd Generation EPYC processors. This revision of the System ROM includes AMD reference code RomePI 1.0.0.P for AMD 2nd Generation EPYC processors.

Details about reported security vulnerabilities and their mitigation can be found at the following link [Security Bulletin Library | HPE Support](#).

Firmware Dependencies:

None

Problems Fixed:

Addressed an issue where ESKM (Enterprise Secure Key Manager) server keys could be generated with invalid bytes, potentially causing Self-Encrypting Drive (SED) unlock failures. Keys are now validated upon generation and corrected during drive unlock operations if previously affected.

Known Issues:

None

Enhancements

Updated HPE branding logos across all boot screens (early POST, late POST, System Utility GUI and text modes, and BGRT) to reflect the new HPE corporate identity. AMD ABL binaries updated to display the new logo in quiet mode.

Added multi-language support (Chinese and Japanese) for RBSU setup menus and System Utility.

Enabled "BIOS log to AHS every boot" by default after a ROM update; users can disable this setting through RBSU if desired. The setting is also re-enabled when loading system defaults.

Driver - Lights-Out Management[Top](#)

HPE iLO Native Driver for ESXi 8.0 and ESXi 9.0

Version: 10.9.1 (**Recommended**)

Filename: ilo-driver_800.10.9.1.4-1OEM.800.1.0.20613240.zip

Fixes

Implement MSI interrupt in the ilo driver to fix PSOD due to interrupt storm and to fix snmpwalk delays.

Driver - Network[Top](#)

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2025.11.00 (**Recommended**)

Filename: cp068542.compsig; cp068542.zip

Important Note!

- o 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.
- o HPE recommends the *HPE Broadcom NetXtreme-E Firmware Version*, 235.1.160000 or later, for use with this driver.

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 535T Adapter
- o HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- o HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- o HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- o HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- o Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE
- o Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE

HPE Intel i40en Driver for VMware vSphere 8.0

Version: 2025.11.00 (**Recommended**)

Filename: cp068940.compsig; cp068940.zip

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 3.25.0 or later, for use with this driver.

Enhancements

- o This product added Requested FEC display in vmkernel.log.
- o This product added info message in vmkernel.log.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- o HPE Ethernet 1Gb 2-port 368i Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 563i Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- o HPE Ethernet 10Gb 2-port 568i Adapter
- o HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2025.05.00 (**Recommended**)

Filename: cp066052.compsig; cp066052.zip

Important Note!

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

HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.26.1 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware.

Supported Devices and Features

These drivers support the following network adapters:

- o HPE Ethernet 1Gb 2-port 361T Adapter
- o HPE Ethernet 1Gb 2-port 361i Adapter
- o HPE Ethernet 1Gb 2-port 363i Adapter
- o HPE Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 366i Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- o Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

- o Intel(R) I350 Gigabit Network Connection

HPE Intel ixgben Driver for VMware vSphere 8.0

Version: 2026.03.00 **(Recommended)**

Filename: cp070243.compsig; cp070243.zip

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.

- o HPE recommends the firmware provided in *HPE Intel Online Firmware Upgrade Utility for VMware*, version 3.27.0 or later, for use with this driver.
- o HPE recommends the firmware provided in *Intel Firmware Package For E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter*, version 1.22 or later, for use with this driver

Fixes

- o This product fixed warning logs generated during driver unload.
- o This product fixed PF reset reporting to VF.
- o This product fixed auto-advertised speeds for E610 adapters.

Supported Devices and Features

These drivers support the following network adapters:

- o HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 561T Adapter
- o HPE Ethernet 10Gb 2-port 561FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- o Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

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

Version: 2026.03.00 **(Recommended)**

Filename: cp070110.compsig; cp070110.zip

Important Note!

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

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

- o HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.65.23 or later.
- o HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.20.0 or later.

Fixes

- o This product fixed an issue where it misses RX byte statistics for LRO queues in ENS mode

Enhancements

- o This product now enabled DRSS by default for non-ENS mode to improve RX traffic distribution and reduce latency between hosts and federated sites.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 521T Adapter
- o HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- o HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- o HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- o HPE StoreFabric CN1200R-T Converged Network Adapter
- o HPE StoreFabric CN1300R Converged Network Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HVCU OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HVCU OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

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

Version: 2025.03.00 **(Recommended)**

Filename: cp064345.compsig; cp064345.zip

Important Note!

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

HPE recommends the firmware provided in *HPE QLogic NX2 Online Firmware Upgrade Utility for VMware*, version 1.37.0 or later, for use with this driver.

Fixes

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

Supported Devices and Features

These drivers support the following network adapters:

- o HPE Ethernet 10Gb 2-port 530T Adapter
- o HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- o HPE FlexFabric 10Gb 2-port 533FLR-T Adapter
- o HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- o HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel icen Driver for VMware vSphere 8.0
 Version: 2026.03.00 **(Recommended)**
 Filename: cp068814.compsig; cp068814.zip

Important Note!

- o This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxx.xml file.
- o HPE recommends the firmware provided in *Intel Firmware Package For E810 Ethernet Adapter*, version 4.71 or later, for use with these drivers.

Fixes

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

Supported Devices and Features

This product supports the following network adapters:

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

net-mst kernel module driver component for VMware ESXi 8.0 Update 3
 Version: 2025.03.17 **(Recommended)**
 Filename: cp052054.compsig; cp052054.zip

Important Note!

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

Prerequisites

NA

Enhancements

NMST version 4.31.0.150

This version is supported on VMware ESXi 8.0 Update 3 only.

Supported Devices and Features

| HPE Part Number | Device Name | PSID |
|-----------------|---|---------------|
| 764282-B21 | HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+M Adapter | HP_1350110023 |
| 764283-B21 | HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+M Adapter | HP_1360110017 |
| 764284-B21 | HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter | HP_1370110017 |
| P24837-B21 | HPE Ethernet 10/25Gb 2-port 642SFP28 Adapter | HPE0000000054 |
| P11338-B21 | HPE Ethernet 10Gb 2-port 548SFP+ Adapter | HP_1200111023 |
| 764285-B21 | HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter | HP_1380110017 |
| 764286-B21 | HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter | HP_1390110023 |
| 825110-B21 | HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter | HP_2180110032 |
| 825111-B21 | HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter | HP_2190110032 |
| 872726-B21 | HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter | HPE0000000009 |
| 879482-B21 | HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter | HPE0000000022 |
| 868779-B21 | HPE Synergy 6410C 25/50Gb Ethernet Adapter | HPE0000000006 |
| 779793-B21 | HPE Ethernet 10Gb 2-port 546SFP+ Adapter | HP_1200111023 |
| 779799-B21 | HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter | HP_2240110004 |
| 817749-B21 | HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter | HP_2690110034 |

| | | |
|------------|--|---------------|
| 817753-B21 | HPE Ethernet 25Gb 2-port 640SFP28 Adapter | HP_2420110034 |
| P21927-B21 | HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT Adapter | MT_0000000417 |
| P10112-B21 | HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter | MT_0000000241 |
| P13188-B21 | HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter | MT_0000000416 |
| P11341-B21 | HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter | MT_0000000238 |
| P21930-B21 | HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter | MT_0000000414 |
| 874253-B21 | HPE Ethernet 100Gb 1-port 842QSFP28 Adapter | HPE0000000014 |
| P25960-B21 | HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter | MT_0000000437 |
| P06154-B21 | HPE InfiniBand HDR/Ethernet 200Gb 1-port 940QSFP56 x16 Adapter | HPE0000000034 |
| P06250-B21 | HPE InfiniBand HDR100/Ethernet 100Gb 1-port 940QSFP56 x16 Adapter | HPE0000000035 |
| P06251-B21 | HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter | HPE0000000036 |
| P23664-B21 | HPE InfiniBand HDR/Ethernet 200Gb 1-port MCX653105A-HDAT QSFP56 x16 Adapter | MT_0000000451 |
| P23665-B21 | HPE InfiniBand HDR100/Ethernet 100Gb 1-port MCX653105A-ECAT QSFP56 x16 Adapter | MT_0000000452 |
| P23666-B21 | HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter | MT_0000000453 |
| P10180-B21 | Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE | MT_0000000435 |
| P31246-B21 | HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter | MT_0000000591 |
| P31323-B21 | HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter | MT_0000000592 |
| P31348-B21 | HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter | MT_0000000593 |
| P31324-B21 | HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter | MT_0000000594 |
| P42041-B21 | Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE | MT_0000000551 |
| P42044-B21 | Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE | MT_0000000575 |

Driver - Storage Controller

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

Version: 2026.03.01 (**Recommended**)

Filename: cp068884.compsig; cp068884.zip

Important Note!

- o Actual Version is 7.736.02.00

Fixes

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

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

Version: 2026.01.01 (**Recommended**)

Filename: cp069364.compsig; cp069364.zip

Important Note!

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

Fixes

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

Firmware - Network

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Broadcom Firmware Package for BCM57412 adapter

Version: 235.1.164.14 (**Recommended**)

Filename: BCM235.1.164.14_BCM957412A4121HC.fwpkg; BCM235.1.164.14_BCM957412A4121HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.

- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled. It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter

Broadcom Firmware Package for BCM57412 OCP3 adapter

Version: 235.1.164.14 **(Recommended)**

Filename: BCM235.1.164.14_BCM957412N4120HC.fwpkg; BCM235.1.164.14_BCM957412N4120HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- o This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.
- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled. It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter

Broadcom Firmware Package for BCM57414 adapter

Version: 235.1.164.14 **(Recommended)**

Filename: BCM235.1.164.14_BCM957414A4142HC.fwpkg; BCM235.1.164.14_BCM957414A4142HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled. It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter

Broadcom Firmware Package for BCM57414 OCP3 adapter

Version: 235.1.164.14 **(Recommended)**

Filename: BCM235.1.164.14_BCM957414N4140HC.fwpkg; BCM235.1.164.14_BCM957414N4140HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.

Enhancements

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

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

Supported Devices and Features

This product supports the following network adapter:

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

Broadcom Firmware Package for BCM57416 adapter

Version: 235.1.164.14 (**Recommended**)

Filename: BCM235.1.164.14_BCM957416A4162HC.fwpkg; BCM235.1.164.14_BCM957416A4162HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixes the issue where the Firmware update failed on 4 MB flash cards.

Enhancements

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

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

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter

Broadcom Firmware Package for BCM57416 OCP3 adapter

Version: 235.1.164.14 (**Recommended**)

Filename: BCM235.1.164.14_BCM957416N4160HC.fwpkg; BCM235.1.164.14_BCM957416N4160HC.json

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,

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- o This product fixes the issue where the Firmware update failed on BCM57416 4 MB flash cards .

Enhancements

This product enhancement enables a self-shutdown feature to prevent overheating when certain monitoring features are disabled. It applies only to newer hardware that originally shipped with firmware version 223.1.135.7 or higher and is not enabled on earlier revisions.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter
Version: 235.1.164.14 (**Recommended**)
Filename: BCM235.1.164.14_BCM957504-P425H.fwpkg; BCM235.1.164.14_BCM957504-P425H.json

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,

- o Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- o HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- o HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- o This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom Firmware Package for BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter
Version: 235.1.164.14 (**Recommended**)
Filename: BCM235.1.164.14_BCM957504-N425H.fwpkg; BCM235.1.164.14_BCM957504-N425H.json

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,

- o Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 235.1.122.0 or later
- o HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-235.1.164.0 or later
- o HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.11.00 or later

Fixes

- o This product fixes the issue where, in breakout mode, a cable remove or insert failed to bring the link up because the module did not exit the DPDeactivated (Data Path Deactivated) state in time.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.

Supported Devices and Features

This product supports the following network adapters:

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

Broadcom NX1 Online Firmware Upgrade Utility for VMware
Version: 1.43.0 (B) (**Recommended**)
Filename: CP070621.compsig; CP070621.zip

Important Note!

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

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

Prerequisites

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

Fixes

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

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware
Version: 5.27.5 (B) **(Recommended)**
Filename: CP070517.compsig; CP070517.zip

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2025.11.00 or later, for use with this firmware.

This software package contains NVM Image version 235.1.164014 with the following firmware versions:

| NIC | Bootcode Version | NCSI Version | MBA Version | UEFI Version | RoCE Version |
|--|------------------|--------------|--------------|--------------|--------------|
| HPE Ethernet 10Gb 2-port 535FLR-T Adapter | 235.1.164.2 | 235.1.164.2 | 235.1.164.12 | 235.1.164.12 | 235.1.164.2 |
| HPE Ethernet 10Gb 2-port 535T Adapter | | | | | |
| HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter | | | | | |
| HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port 537SFP+ Adapter | | | | | |
| HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter | | | | | |

Prerequisites

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

Fixes

- o This product fixes the issue where the firmware version details failed to update and the card showed as not operational after upgrading BCM5741x adapters
- o This product fixes the issue where failed to detect a 10GBASE-LR SFP+ causing incorrect defaults and a link failure.
- o This product fixes the issue where iLO BMC shared IP on OCP NIC, link flap occurred during OS reboot.
- o This product fixes the issue where the adapter is unable to establish link after rebooting when using the "HPE 10GBASE-T SFP+ 30m RJ45 Transceiver" HPE PN 813874-B21 with vendor PN SP7053-HPE.
- o This product fixed the issue where the System cannot power on and IML log shows Critical Temperature Threshold Exceeded.
- o This product fixed the issue where NICs with LR cables and transceivers showing SR mode.
- o This product fixed the issue where PCIe Negotiated Link Width is displaying as x4 instead of x8.
- o This product fixes the issue where the Firmware update failed on BCM57416 4 MB flash cards .

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware
Version: 226.1.107000 (C) **(Recommended)**
Filename: CP070640.compsig; CP070640.zip

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2023.09.00 or later, for use with this firmware.

This software package contains NVM Image version 226.1.107000 with the following firmware versions:

| NIC | Bootcode Version | NCSI Version | MBA Version | UEFI Version | RoCE Version |
|--|------------------|--------------|-------------|--------------|--------------|
| HPE Ethernet 10Gb 2-port 535FLR-T Adapter | 226.0.145.0 | 226.0.145.0 | 226.0.135.0 | 226.0.135.0 | 226.0.145.0 |
| HPE Ethernet 10Gb 2-port 535T Adapter | | | | | |
| HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter | | | | | |
| HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port 537SFP+ Adapter | | | | | |
| HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter | | | | | |

Prerequisites

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

Fixes

- o This product addressed the NC-SI passthrough algorithm for some FRU-reading commands from platform side.
- o This product addressed the packet forwarding rule while receiving packet which is bigger than 9600 jumbo size.
- o This product addressed the link failure under FreeBSD OS after changing link speed.
- o This product addressed the failure of bringing up VFs of SRIOV when doing on and off switch.
- o This product addressed adapter not responsive when work under heavy loading with 128 VMs.
- o The product addressed status reporting of PLDM sensor monitoring with BMC.
- o This product addressed the link-flap after link down or warm boot.

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This product supports the following network adapters:

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

HPE Broadcom NetXtreme-E Online Firmware Upgrade Utility for VMware
Version: 226.1.107.0 (C) (**Recommended**)
Filename: CP070641.compsig; CP070641.zip

Important Note!

HPE recommends *HPE Broadcom NetXtreme-E Drivers for VMware*, versions 2023.09.00 or later, for use with this firmware.

This software package contains NVM Image version 226.1.107000 with the following firmware versions:

| NIC | Bootcode Version | NCSI Version | MBA Version | UEFI Version | RoCE Version |
|---|------------------|--------------|-------------|--------------|--------------|
| HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter | 226.0.145.0 | 226.0.145.0 | 226.0.135.0 | 226.0.135.0 | 226.0.145.0 |
| HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter | | | | | |
| HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter | | | | | |
| HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 Adapter | | | | | |
| HPE Ethernet 10/25Gb 4-port SFP28 BCM57504 OCP3 Adapter | | | | | |

Prerequisites

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

Fixes

- o This product addressed device lost symptom after continuously ungraceful restart on BCM57414 OCP3 adapter.
- o This product addressed some RDE pattern format for some LLDP properties.
- o This product addressed the NC-SI passthrough with BMC when device is under idle mode.
- o This product addressed new mechanism for loading factory default.

Enhancements

- o This product enhanced the device self-diagnostic matrix and MAC verification.
- o This product enhanced the link-speed calculation for internal variable.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port BaseT BCM57416 Adapter
- o HPE Ethernet 10Gb 2-port BaseT BCM57416 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- o Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.
Version: 1.43.0 (B) (**Recommended**)
Filename: CP070620.compsig; CP070620.zip

Important Note!

- o **This component ONLY support HPE ProLiant Gen10 server series.**

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

| NIC | Boot Code Version | PXE Version | NCSI Version | UEFI Version |
|---|--------------------------|--------------------|---------------------|---------------------|
| HPE Ethernet 1Gb 2-port 330i Adapter (22BD) | 2.10 | 21.6.4 | 1.5.65 | 21.6.92 |
| HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter | 1.64 | 21.6.4 | 1.5.65 | 21.6.92 |
| HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter | 1.43 | 21.6.4 | 1.5.65 | 21.6.92 |

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

Prerequisites

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

Fixes

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

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 330i Adapter (22BD)
- o HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- o HPE Ethernet 1Gb 4-port 331FLR Adapter
- o HPE Ethernet 1Gb 4-port 331T Adapter
- o HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- o HPE Ethernet 1Gb 2-port 332T Adapter

HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.
Version: 3.30.0 (**Recommended**)
Filename: CP070388.compsig; CP070388.zip

Important Note!

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

| NIC | EEPROM/NVM Version | OROM Version | Single NVM Version |
|--|---------------------------|---------------------|---------------------------|
| HPE Ethernet 1Gb 2-port 361i Adapter | 8000119A | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 2-port 361T Adapter | 80001147 | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 4-port 366FLR Adapter | 800011A1 | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 4-port 366T Adapter | 800011F1 | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 2-port 368i Adapter | 80003AC5 | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter | 80003AC2 | 1.3911.0 | N/A |
| HPE Ethernet 1Gb 4-port 369i Adapter | 80003AC3 | 1.3911.0 | N/A |
| HPE Ethernet 10Gb 2-port 568i Adapter | 80003AC4 | 1.3911.0 | N/A |
| HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter | 80003AC2 | 1.3911.0 | N/A |

| | | | |
|--|----------|----------|---------|
| HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter | 80003AC2 | 1.3911.0 | N/A |
| HPE Ethernet 10Gb 2-port 563i Adapter | 800035C0 | 1.3911.0 | N/A |
| HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter | 8000F231 | 1.3911.0 | 11.1.7 |
| HPE Ethernet 10Gb 2-port 562FLR-T Adapter | 800016F1 | 1.3911.0 | 10.55.3 |
| HPE Ethernet 10Gb 2-port 562SFP+ Adapter | 8000F232 | 1.3911.0 | 11.1.7 |
| HPE Ethernet 10Gb 2-port 562T Adapter | 800016EF | 1.3911.0 | 10.55.3 |

The combo image v1.3911.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.59, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.9.03, 10GbE - v8.3.05, 40GbE - v5.0.33

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

This software package no longer contains Firmware for the below listed supported network adapters:

- HPE Ethernet 1Gb 2-port 363i Adapter
- HPE Ethernet 1Gb 4-port 366i Adapter
- HPE Ethernet 1Gb 4-port 366i Communication Board
- HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 560SFP+ Adapter
- HPE Ethernet 10Gb 2-port 561FLR-T Adapter
- HPE Ethernet 10Gb 2-port 561T Adapter

- o The latest firmware version of above adapters, please refer to the link : https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

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

Fixes

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

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This package supports the following network adapters:

- o HPE Ethernet 1Gb 2-port 361i Adapter
- o HPE Ethernet 1Gb 2-port 361T Adapter
- o HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter
- o HPE Ethernet 1Gb 2-port 368i Adapter
- o HPE Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter
- o HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter
- o HPE Ethernet 10Gb 2-port 568i Adapter
- o HPE Ethernet 10Gb 2-port 563i Adapter

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters
Version: 8.65.23 (C) **(Recommended)**
Filename: ql_hp_ah_mbi_8.65.23_pldm.fwpkg

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,

- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.76.2.0-10 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.21.0 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2025.09.00 or later

This software package contains combo image v8.65.23. This combo image includes: Boot Code (MFW): 8.65.7.0, PXE: 2.0.19, and UEFI: 4.1.13.2.

Enhancements

Added SLES16 Support Environment

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 521T Adapter
- o HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- o HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- o HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Adapter
- o HPE StoreFabric CN1200R-T Converged Network Adapter
- o HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware
Version: 4.20.0 (B) **(Recommended)**
Filename: CP070386.compsig; CP070386.zip

Important Note!

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2025.03.00 or later, for use with this firmware.

This software package contains combo image version v8.65.23 includes:

- o Boot Code (MFW): 8.65.7.0
- o UEFI: 4.1.13.2
- o PXE: 2.0.19

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

Prerequisites

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

Fixes

This product fixed the ESXi 9.1 supported issue.

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware
Version: 8.55.12 (C) **(Recommended)**
Filename: CP070642.compsig; CP070642.zip

Important Note!

HPE recommends *HPE QLogic FastLinQ 10/25/50GbE Multifunction Drivers for VMware*, versions 2021.04.05 or later, for use with this firmware.

This software package contains combo image version v8.55.12 includes:

- Boot Code (MFW): 8.55.21.0
- UEFI: 4.1.11.2
- PXE: 2.0.19

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

Prerequisites

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

Fixes

This product addresses a pause flood condition on switch when attempting iPXE boot.

Enhancements

This product contains support PLDM firmware upgrade base improvements.

Supported Devices and Features

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 521T Adapter
- HPE Ethernet 10Gb 2-port 524SFP+ Adapter
- HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter
- HPE StoreFabric CN1200R-T Converged Network Adapter
- HPE StoreFabric CN1300R Converged Network Adapter

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware
Version: 1.37.0 (B) (**Recommended**)
Filename: CP070394.compsig; CP070394.zip

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2025.03.00 or later, for use with this firmware.

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

| NIC | Boot Code Version | PXE Version | UEFI Version | iSCSI Version | FCoE Version | CCM Version | L2 Version |
|--|--------------------------|--------------------|---------------------|----------------------|---------------------|--------------------|-------------------|
| HPE Ethernet 10Gb 2-port 530SFP+ Adapter HPE Ethernet 10Gb 2-port 530T Adapter | 7.16.15 | 7.14.13 | 8.9.3 | n/a | n/a | 7.14.4 | 7.12.25 |
| HPE Ethernet 10Gb 2-port 533FLR-T Adapter HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter HPE FlexFabric 10Gb 4-port 536FLR-T Adapter | 7.16.15 | 7.14.13 | 8.9.3 | 7.14.0 | 7.14.3 | 7.14.4 | 7.12.25 |

Prerequisites

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

Fixes

This product fixed the ESXi 9.1 supported issue.

Enhancements

This product enhanced the compatibility with drivers.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 530T Adapter
- o HPE Ethernet 10Gb 2-port 533FLR-T Adapter
- o HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter
- o HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.20 (**Recommended**)
Filename: HPE_E810_2CQDA2_O_SEC_4p20_PLDMoMCTP_80017784.fwpkg

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.91 (**Recommended**)
Filename: HPE_E810_2CQDA2_O_SEC_4p91_PLDMoMCTP_800214AE.fwpkg; HPE_E810_2CQDA2_O_SEC_4p91_PLDMoMCTP_800214AE.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later

- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.20 (**Recommended**)
Filename: HPE_E810_CQDA2_4p20_PLDMoMCTP_80017785.fwpkg

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,

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter
Version: 4.91 (**Recommended**)
Filename: HPE_E810_CQDA2_4p91_PLDMoMCTP_800214AF.fwpkg; HPE_E810_CQDA2_4p91_PLDMoMCTP_800214AF.json

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,

- o Intel icea Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

- o 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: 4.20 (**Recommended**)
Filename: HPE_E810_CQDA2_OCP_4p20_NCSIwPLDMoMCTP_80017783.fwpkg

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,

- o Intel icea Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later

- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.91 (**Recommended**)

Filename: HPE_E810_CQDA2_OCP_4p91_NCSIwPLDMoMCTP_800214AD.fwpkg; HPE_E810_CQDA2_OCP_4p91_NCSIwPLDMoMCTP_800214AD.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.20 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_4p20_PLDMoMCTP_8001778C.fwpkg

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.91 (**Recommended**)

Filename: HPE_E810_XXVDA2_SD_4p91_PLDMoMCTP_800214AB.fwpkg; HPE_E810_XXVDA2_SD_4p91_PLDMoMCTP_800214AB.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
Version: 4.20 (**Recommended**)
Filename: HPE_E810_XXVDA2_SD_OCP_4p20_NCSIwPLDMoMCTP_80017787.fwpkg

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
Version: 4.91 (**Recommended**)
Filename: HPE_E810_XXVDA2_SD_OCP_4p91_NCSIwPLDMoMCTP_800214B2.fwpkg; HPE_E810_XXVDA2_SD_OCP_4p91_NCSIwPLDMoMCTP_800214B2.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter
Version: 4.20 (**Recommended**)
Filename: HPE_E810_XXVDA4_FH_4p20_PLDMoMCTP_80017789.fwpkg

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

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

Version: 4.91 (**Recommended**)

Filename: HPE_E810_XXVDA4_FH_4p91_PLDMoMCTP_800214B3.fwpkg; HPE_E810_XXVDA4_FH_4p91_PLDMoMCTP_800214B3.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

Version: 4.20 (**Recommended**)

Filename: HPE_E810_XXV4_OCP_4p20_NCSIwPLDMoMCTP_80017788.fwpkg

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.12.164.0 or later
- o Intel ice Drivers for Linux, version 1.11.14-1 or later
- o Intel icen Driver for VMware, version 2023.09.00 or later

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

Fixes

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

Enhancements

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

Supported Devices and Features

This product supports the following network adapters:

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

Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter

Version: 4.91 (**Recommended**)

Filename: HPE_E810_XXV4_OCP_4p91_NCSIwPLDMoMCTP_800214AC.fwpkg; HPE_E810_XXV4_OCP_4p91_NCSIwPLDMoMCTP_800214AC.json

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,

- o Intel ica Driver for Microsoft Windows Server, version 1.18.71.0 or later
- o Intel ice Drivers for Linux, version 2.4.5-1 or later
- o Intel icen Driver for VMware, version 2026.03.00 or later

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

Fixes

- o This product fixed an issue where the Shared NIC IP was not assigned for OCP Slot B network adapters on Gen12 ProLiant servers.

Supported Devices and Features

This product supports the following network adapters:

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

Intel Online Firmware Upgrade Utility for VMware

Version: 3.29.0 (**Recommended**)

Filename: CP070391.compsig; CP070391.zip

Important Note!

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

| NIC | EEPROM/NVM Version | OROM Version | Single NVM Version | FW Version |
|---|---------------------------|---------------------|---------------------------|-------------------|
| HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter | 800100D3 | 1.3909.0 | N/A | 9.56 |
| HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter | 800100DE | 1.3909.0 | N/A | 9.56 |
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter | 8000123F | 1.3909.0 | N/A | N/A |
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter | 80001234 | 1.3909.0 | N/A | N/A |
| Intel(R) I350 Gigabit Network Connection (2-port) | 8000119C | 1.3909.0 | N/A | N/A |
| Intel(R) I350 Gigabit Network Connection (4-port) | 8000E897 | 1.3909.0 | N/A | N/A |

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

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

Prerequisites

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

Fixes

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

Enhancements

Added ESXi 9.1 Supported Environment

Supported Devices and Features

This package supports the following network adapters:

- o Intel(R) I350 Gigabit Network Connection (2-port)
- o Intel(R) I350 Gigabit Network Connection (4-port)
- o HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- o HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

Marvell FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.21 (C) (**Recommended**)

Filename: ql_ah_mbi_open_8.65.21_pldm.fwpkg

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,

- o Marvell FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.21.0 or later

- o HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.76.2.0-10 or later
- o HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2025.09.00 or later

Enhancements

Added SLES16 Support Environment

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCUC OCP3 Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter

Marvell FastLinQ Online Firmware Upgrade Utility for VMware
 Version: 8.55.12 (C) **(Recommended)**
 Filename: CP070643.compsig; CP070643.zip

Important Note!

This software package contains combo image v8.55.12. This combo image includes:

- o PXE: 2.0.19
- o Boot Code (MFW): 8.55.22.0
- o UEFI: 6.1.8.2

Prerequisites

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

Fixes

- o This product contains support PLDM firmware upgrade base improvements.
- o This product addresses an overheat issue on the network adapters as below,
 HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
 HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter

Enhancements

This product now supported NPAR enabling option.

Supported Devices and Features

This product supports the following network adapters:

- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCUC OCP3 Adapter
- o HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU Adapter
- o HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter
- o HPE Ethernet 10Gb 2-port BaseT QL41132HQRJ OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HQCUC OCP3 Adapter
- o HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU Adapter

Mellanox Firmware Package (FWPKG) for HPE Edgeline e920 ConnectX-6Lx 10Gb 2-port Mezzanine Adapter : HPE part number P40899-B21
 Version: 26.43.1014 **(Recommended)**
 Filename: 26_43_1014-FWEdgelinee920ConnectX-6Lx10Gb2-portNetworkMezzanine_Ax.pldm.fwpkg; 26_43_1014-FWEdgelinee920ConnectX-6Lx10Gb2-portNetworkMezzanine_Ax.pldm.json

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:

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:

Supported Devices and Features

This software package contains the following firmware versions:

| Mellanox InfiniBand Adapter | Firmware Version | PSID |
|-----------------------------|------------------|------|
|-----------------------------|------------------|------|

| | | |
|--|------------|---------------|
| HPE Edgeline e920 ConnectX-6Lx 10Gb 2-port Mezzanine Adapter(P40899-B21) | 26.43.1014 | HPE0000000059 |
|--|------------|---------------|

Mellanox Firmware Package(FWPKG) for HPE NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE
Version: 22.45.1020 **(Recommended)**
Filename: 22_45_1020-R8M41-63001_Ax_header.pldm.fwpgk

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.

Enhancements

Upgraded to version 22.45.1020

Supported Devices and Features

| HPE Part Number | Mellanox Ethernet Only Adapters | PSID |
|-----------------|--|---------------|
| P46603-B21 | NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE | HPE0000000062 |

Mellanox Firmware Package(FWPKG) for NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE
Version: 26.45.1020 **(Recommended)**
Filename: 26_45_1020-S2A69-63001_Ax_header.pldm.fwpgk

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.

Enhancements

Upgraded to version 26.45.1020

Supported Devices and Features

| HPE SKU Part Number | Mellanox Ethernet Only Adapters | PSID |
|---------------------|---|---------------|
| S2A69A | NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE | HPE0000000077 |

NVIDIA Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21
Version: 16.35.8002 **(Recommended)**
Filename: 16_35_8002-MCX515A-CCA_HPE_Ax.pldm.fwpgk; 16_35_8002-MCX515A-CCA_HPE_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.

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16358002ts/known+issues>

Prerequisites

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

Fixes

The following issues have been fixed in version 16.35.8002:

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

Enhancements

New features and changes included in version 16.35.8002:

- o Enhanced performance of firmware exception path handling to better support increased numbers of configured SR-IOV instances.

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

Supported Devices and Features

This software package contains the following firmware versions:

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

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter : HPE part numbers P23664-B21 and P23664-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20_43_8004-MCX653105A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653105A-HDA_HPE_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.

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/its/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|---|------------------|---------------|
| HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 MCX653105A-HDAT Adapter (P23664-B21 and P23664-H21) | 20.43.8004 | MT_0000000451 |

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter : HPE part numbers P31323-B21 and P31323-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20_43_8004-MCX653435A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653435A-HDA_HPE_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.

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|--|------------------|---------------|
| HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 PCIe4 x16 OCP3 MCX653435A-HDAI Adapter (P31323-B21 and P31323-H21) | 20.43.8004 | MT_0000000592 |

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter : HPE part numbers P31324-B21 and P31324-H21

Version: 20.43.8004 **(Recommended)**

Filename: 20_43_8004-MCX653106A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653106A-HDA_HPE_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.

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|--|------------------|---------------|
| HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21) | 20.43.8004 | MT_0000000594 |

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter : HPE part numbers P31348-B21 and P31348-H21

Version: 20.43.8004 (Recommended)

Filename: 20_43_8004-MCX653436A-HDA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653436A-HDA_HPE_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:

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

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

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|--|------------------|---------------|
| HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 OCP3 MCX653436A-HDAI Adapter (P31348-B21 and P31348-H21) | 20.43.8004 | MT_0000000593 |

NVIDIA Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter : HPE part numbers P23665-B21 and P23665-H21

Version: 20.43.8004 (**Recommended**)

Filename: 20_43_8004-MCX653105A-ECA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653105A-ECA_HPE_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:

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/its/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|--|------------------|---------------|
| HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 PCIe4 x16 MCX653105A-ECAT Adapter (P23665-B21 and P23665-H21) | 20.43.8004 | MT_0000000452 |

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

Version: 20.43.8004 (**Recommended**)

Filename: 20_43_8004-MCX653106A-ECA_HPE_Ax.pldm.fwpkg; 20_43_8004-MCX653106A-ECA_HPE_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.

ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

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

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

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx6firmwarev20438004/known-issues>

Prerequisites

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

Fixes

No new fixes have been included in version 20.43.8004.

Enhancements

New features and changes included in version 20.43.8004:

- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.

Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

This software package contains the following firmware versions:

| NVIDIA VPI Adapter | Firmware Version | PSID |
|--|------------------|---------------|
| HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21) | 20.43.8004 | MT_0000000453 |

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: 28.48.1000 **(Recommended)**

Filename: 28_48_1000-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg; 28_48_1000-MCX75310AAS-HEAT_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.

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A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx7firmwarev28481000/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 28.48.1000:

- o An interoperability issue where, when ConnectX-7 communicates with ConnectX-8 using the probe-based algorithm, bandwidth could become extremely low due to probe packets being dropped.
- o The DPA kernel used unsafe ICM access during process creation/modification, which would cause the DPA kernel to hang during FLR.
- o User Debugger "query caps" returned only the number of capabilities, not the capability bitmap.
- o Race condition in standby/boot power sequencing. In certain timing windows, port power-down would be delayed such that the power-up flow detected the port still transitioning to power-down, causing the sequence to fail and leaving the port stuck in a powered-down state.
- o mlxlink reported 0 values for SNR (media and host) due to incorrect local port mapping in firmware and an incorrect page number used by MFT.
- o Due to an SMBus release race condition, the I2C bus would become stuck.
- o Fuse values were not aligned with the updated values burned across different ConnectX-7 setups.
- o Issue in the steering definers used for LAG with IPv6 traffic.
- o A spurious CNP was sent in response to an out-of-sequence packet.
- o The root complex sent MCTP-over-PCI messages before a BDF was assigned, causing responses to be sent with BDF 0. The fix ensures that MCTP messages routed by ID are ignored until a valid BDF is assigned.
- o The steering tables were not updated after enabling partial Spectrum-X capabilities (BTH.AR) via LLPD.
- o When decapsulation on a packet occurred, the FCS indication was not calculated correctly.
- o In IB system, RTT_response_sl feature did not work with Sniffer tools (e.g., Wireshark/Tcpdump/).

Enhancements

New features and changes included in version 28.48.1000:

- o Improved the ADP-RETX algorithm to avoid re-arming without performing a retransmission.
- o The DOCA PCC NP application now enables the NIC to insert the RTT response transmit timestamp in hardware, reducing software-induced jitter and improving the accuracy and consistency of RTT measurements.
- o The system-wide limit for DPA processes has been reduced to 30. This total includes both user processes across all GVMIs and internal ProgCC processes. The max_dpa_processes value reported to the user is calculated as: max_dpa_processes=30-number_of_progcc_processes
- o Added MAD (Management Datagram) access to the new Adaptive Retransmission Histogram registers. Users can configure the histogram by issuing VSP MAD GET/SET operations to ADP_RETX_HISTOGRAM_CONFIG (0xC01D), and retrieve histogram data via VSP MAD GET to ADP_RETX_HISTOGRAM_READ (0xC01E) (using the required VSP MAD header values and TLV format). This enables configuring and collecting adaptive retransmission timeout statistics through the MAD interface.
- o Host rate limiting has been extended to support bandwidth values above 255 Gbps. To remove the previous cap, a new max_bw_value_msb field was added to est_global, providing additional MSB bits to represent higher bandwidth values. With this enhancement, firmware and host tooling can correctly configure and report rate limits beyond 255 Gbps on high-speed links.
- o PLDM now supports the PDR Repository Change event type, enabling notification to the BMC when PDRs change. With this flow, the BMC can detect cable insertion/removal events.
- o Added support for running save and load operations in parallel, enabling multiple contexts (e.g., multiple VFs) to be checkpointed and restored concurrently instead of serially. This reduces overall migration time and improves scalability in environments that need to migrate or recover many VFs at once.
- o Extended packet modify-header operations to support set and copy actions on the NVGRE VSID (Virtual Subnet Identifier) . A new field, TUNNEL_HDR_DW_2 (0x84), enables dynamic VSID modification, adding header rewrite support for NVGRE tunnel traffic in addition to existing filtering capabilities.
- o Added a new output field, migration_state, to QUERY_VHCA_MIGRATION_STATE. Software uses this field to make live-migration flow decisions, specifically to signal when it is not a good time to transition into the stop-copy stage.
- o To align with updated Microsoft UEFI Secure Boot requirements and the upcoming end-of-life of the 2011 Certificate Authority (CA), a transition to the 2023 CA has been done. To ensure successful loading of the Expansion ROM (ExpROM) during the UEFI Secure Boot process, system BIOS and operating system trust stores must be updated to include the 2023 CA.
Note: When performing a firmware update of ConnectX and BlueField devices the new certificate is required for Secure Boot. To continue supporting Secure Boot, systems must be updated to recognize the "Microsoft Option ROM UEFI CA 2023".

Supported Devices and Features

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

NVIDIA Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
Version: 16.35.8002 (**Recommended**)
Filename: 16_35_8002-MCX562A-ACA_Ax_Bx.pldm.fwpkg; 16_35_8002-MCX562A-ACA_Ax_Bx.pldm.json

Important Note!

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

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

A list of known issues with this release is available at: <https://docs.nvidia.com/networking/display/connectx5firmwarev16358002/known+issues>

Prerequisites

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

Fixes

The following issues have been fixed in version 16.35.8002:

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

Enhancements

New features and changes included in version 16.35.8002:

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

Supported Devices and Features

| HPE Part Number | NVIDIA Ethernet Only Adapters | PSID |
|-----------------|--|---------------|
| P10112-B21 | Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE | MT_0000000241 |

NVIDIA Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter
Version: 16.35.8002 (**Recommended**)
Filename: 16_35_8002-MCX512F-ACH_Ax_Bx.pldm.fwpkg; 16_35_8002-MCX512F-ACH_Ax_Bx.pldm.json

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to <https://www.nvidia.com/>, you are then leaving HPE.com. Please follow the instructions on <https://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 <https://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/connectx5firmwarev16358002/known+issues>

Prerequisites

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

Fixes

The following issues have been fixed in version 16.35.8002:

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

Enhancements

New features and changes included in version 16.35.8002:

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

Supported Devices and Features

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

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Ethernet 10Gb 2-port 548SFP+ Adapter
Version: 1.0.3 (**Recommended**)
Filename: CP069153.compsig; CP069153.zip

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx firmware version 14.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 14.32.1908.

Enhancements

New features and changes included in version 14.32.1908:

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

Supported Devices and Features

| HPE Part Number | Mellanox Ethernet Only Adapters | PSID |
|-----------------|--|---------------|
| P11338-B21 | HPE Ethernet 10Gb 2-port 548SFP+ Adapter | HPE0000000038 |

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

Version: 1.0.7 (**Recommended**)

Filename: CP069157.compsig; CP069157.zip

Important Note!

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

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 14.32.1908.

The following issues have been fixed in version 16.35.8002:

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

Enhancements

Firmware for the following devices has been updated to 14.32.1908:

- o 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- o 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

Firmware for the following device has been updated to 16.35.8002:

- o 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes included in version 14.32.1908:

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

New features and changes included in version 16.35.8002:

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

Supported Devices and Features

| HPE Part Number | Mellanox Ethernet Only Adapters | PSID |
|-----------------|---|---------------|
| 817749-B21 | HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter | HP_2690110034 |
| 817753-B21 | HPE Ethernet 25Gb 2-port 640SFP28 Adapter | HP_2420110034 |
| 874253-B21 | HPE Ethernet 100Gb 1-port 842QSFP28 Adapter | HPE0000000014 |

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

Version: 1.0.6 (**Recommended**)

Filename: CP069161.compsig; CP069161.zip

Fixes

No fixes are included in version 12.28.4704.

The following issues have been fixed in version 16.35.8002:

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

Enhancements

Firmware for the following devices has been updated to 12.28.4704:

- o 825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter)
- o 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

Firmware for the following devices has been updated to 16.35.8002:

- o 879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter)
- o 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 12.28.4704:

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

New features and changes included in version 16.35.8002:

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

Supported Devices and Features

| HPE Part Number | Device Name | PSID |
|-----------------|--|---------------|
| 825110-B21 | HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter | HP_2180110032 |
| 825111-B21 | HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter | HP_2190110032 |
| 872726-B21 | HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter | HPE0000000009 |
| 879482-B21 | HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter | HPE0000000022 |

Online Firmware Upgrade Utility (ESXi 8.0) for Mellanox Open Ethernet cards
 Version: 1.0.7 **(Recommended)**
 Filename: CP068978.compsig; CP068978.zip

Important Note!

On Adapter Firmware rewrite scenario, SUM will always discover the Mellanox Open adapter firmware smart component as applicable and select it for deployment If the server iLO5 firmware version is older than 2.30.

Prerequisites

Use iLO5 firmware version 2.30 or higher with ConnectX4-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 14.32.1908.

The following issues have been fixed in version 16.35.8002:

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

Enhancements

Firmware for the following devices has been updated to 14.32.1908:

- o P21930-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCAT Adapter)
- o P11341-B21 (HPE Ethernet 10Gb 2-port SFP+ MCX4621A-ACAB OCP3 Adapter)

Firmware for the following device has been updated to 16.35.8002:

- o P21927-B21 (HPE Ethernet 100Gb 2-Port QSFP28 MCX516A-CCHT Adapter)

New features and changes included in version 14.32.1908:

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

New features and changes included in version 16.35.8002:

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

Supported Devices and Features

| HPE Part Number | Mellanox Ethernet Only Adapters | PSID |
|-----------------|--|---------------|
| P21930-B21 | HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT Adapter | MT_0000000414 |
| P11341-B21 | HPE Ethernet 10Gb/25Gb 2-port SFP28 MCX4621A-ACAB OCP3 Adapter | MT_0000000238 |

Firmware - Storage Controller

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Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (C) **(Recommended)**
Filename: CP070859.compsig; CP070859.zip

Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (C) **(Recommended)**
Filename: CP070860.compsig; CP070860.zip

Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (C) **(Recommended)**
Filename: CP070861.compsig; CP070861.zip

Enhancements

- o ESXi9.1 support.

Controller Firmware Flash for ESXi8.0 and 9.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller
Version: 52.26.3.5487 (C) **(Recommended)**
Filename: CP070862.compsig; CP070862.zip

Enhancements

- o ESXi9.1 support.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers
Version: 8.00 **(Recommended)**
Filename: HPE_SR_Gen10_8.00_A.fwpkg

Important Note!

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

Fixes

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

Enhancements

- Logical drive information menu: Enhanced to display the association between failed data drives and active spares upon drive failure.
- "Added support for the standardized Operation property in PLDM Operations arrays, providing schema-defined operation enums as below:
 - Drive Resource — Rebuild/Sanitize/Encrypt

- Volume Resource — Initialize/Rebuild/Encrypt/ChangeRAIDLAYOUT/ChangeStripSize/Resize.

The legacy OperationName property remains available and is now marked as deprecated."

- Added support for StorageController status conditions ResetRecommended and ResetRequired. When configuration changes require a system reboot to take effect, the controller reports the status through both Status.Conditions and Redfish event messages.
- Enhanced RDE error messaging to provide clearer error descriptions for Volume DELETE and SED-enabled CREATE operations, returning detailed messages directly in the response payload instead of generic ExtendedInfo references.

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

Version: 1.2.14.1029 (B) (**Recommended**)

Filename: HPE_NS204i_1.2.14.1029_B.fwpkg; HPE_NS204i_1.2.14.1029_B.json

Important Note!

1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel Gen12 platforms. Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure.

- <https://www.hpe.com/global/swpublishing/MTX-c75706b8a59d4d8aabc4e4cc30>

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

- Windows: <https://www.hpe.com/global/swpublishing/MTX-84a4e0bb354f48ead65cf9451>
- Linux: <https://www.hpe.com/global/swpublishing/MTX-b6448d485ca64fd7a5d0d5f75e>
- VMware: <https://www.hpe.com/global/swpublishing/MTX-ad49b1acb0d4455c86460c727a>

Prerequisites

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

Fixes

This product resolves the issue that NS204i-r and NS204i-t target guid missing in FWPKG secret header.

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

Version: 52.36.3-6584 (**Recommended**)

Filename: HPE_MR216i-a_Gen10P_52.36.3-6584_A.fwpkg; HPE_MR216i-a_Gen10P_52.36.3-6584_A.json

Important Note!

- This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.
- The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- Fix an issue that poor performance is observed during small-range writes
- Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- Fix an issue that firmware may assert when NVME drives take long time for Task Management
- Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- Fix an issue that Server health shows Warning when a degraded volume is present
- Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- Fix an issue that PCIconfiglink page events may come continuously in snapdump log
- Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update

- o Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- o Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- o Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- o Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- o DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- o Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- o Add support for UBM11 backplane
- o Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- o Refine the message on HII prereview configuration for the foreign import
- o Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- o Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller
 Version: 52.36.3-6584 (**Recommended**)
 Filename: HPE_MR216i-p_Gen10P_52.36.3-6584_A.fwpkg; HPE_MR216i-p_Gen10P_52.36.3-6584_A.json

Important Note!

- o This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- o Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- o Fix an issue that poor performance is observed during small-range writes
- o Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- o Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
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- o Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- o Fix an issue that PCIConfiglink page events may come continuously in snapdump log
- o Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- o Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state

- o Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- o Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- o Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- o Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- o Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- o DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMESMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- o Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- o Add support for UBM11 backplane
- o Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- o Refine the message on HII prereview configuration for the foreign import
- o Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- o Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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

Version: 52.36.3-6584 (**Recommended**)

Filename: HPE_MR416i-a_Gen10P_52.36.3-6584_A.fwpkg; HPE_MR416i-a_Gen10P_52.36.3-6584_A.json

Important Note!

- o This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- o Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- o Fix an issue that poor performance is observed during small-range writes
- o Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- o Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- o Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- o Fix an issue that firmware may assert when NVME drives take long time for Task Management
- o Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- o Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- o Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- o Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- o Fix an issue that Server health shows Warning when a degraded volume is present
- o Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- o Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- o Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- o Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- o Fix an issue that PCIconfiglink page events may come continuously in snapdump log
- o Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive

- o Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- o Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- o Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- o Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- o Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- o Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- o DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOKiBytes, WriteIOKiBytes, PowerOnHours, NVMeSMART (MVMESMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- o Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- o Add support for UBM11 backplane
- o Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- o Refine the message on HII prereview configuration for the foreign import
- o Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- o Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

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

Version: 52.36.3-6584 (**Recommended**)

Filename: HPE_MR416i-p_Gen10P_52.36.3-6584_A.fwpkg; HPE_MR416i-p_Gen10P_52.36.3-6584_A.json

Important Note!

- o This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.
- o The minimum iLO versions required to support 52.36.3-6584 are iLO 7 1.20, iLO 6 1.74, and iLO 5 3.18.

Prerequisites

iLO5 version should be at least 2.98 is required for **chassis&Fabric support**.

Fixes

- o Fix an issue that Backup Exec doesn't work with LTO drives in Linux systems
- o Fix a rare issue that controller VM fails to bootup after a host reboot on Linux hypervisor
- o Fix an issue that poor performance is observed during small-range writes
- o Fix an issue that storcli show /cx/ex/sx poh (power on hour) command report error on NVMe drives
- o Fix a rare issue that PL fault 0x4318 is observed during the IPMI power-cycle test
- o Fix a rare issue that cache restore failure observed after firmware update followed by a server UMCE (unrecoverable machine check error)
- o Fix an issue that firmware may assert when NVME drives take long time for Task Management
- o Fix a rare issue that PL fault 0x6054 observed during patrol read in progress
- o Fix a rare issue that firmware may assert during firmware update with IOs and task managements on JBOD drives.
- o Fix an issue that foreign drive is shown in HotspareType@Redfish.AllowableValues
- o Fix an issue that SATA LFF drives list the "DriveFormFactor" as "2_5" under the Storage tab and in Redfish
- o Fix an issue that Server health shows Warning when a degraded volume is present
- o Fix a rare issue that GET operation on Redfish Drive URI occasionally return 404 Not Found
- o Fix an issue that rebuild does not start on an SED drive when inserted in the missing slot of a R1 drive
- o Fix an issue that NVME drive undergoing sanitize is not detected after server reboot
- o Fix a rare issue that Redfish Chassis properties are not properly displayed for UBM10 backplane
- o Fix an issue that PCIConfiglink page events may come continuously in snapdump log

- o Fix a rare issue that firmware may assert when user starts crypto erase and removed the drive
- o Fix an issue that the sanitize percentage does not progress when monitoring drive's sanitize state
- o Fix a rare issue that PLDM Fault 0x5: Command abort failed observed when doing backplane firmware update
- o Fix a rare firmware crash that may occur during concurrent Virtual Machine clone operations and JBOD creation
- o Fix an issue that firmware may assert if drive goes through shield recovery and is subsequently removed
- o Fix a rare issue that firmware may assert while running IO's and Task Management

Enhancements

- o Add additional escape sequences for special characters when encoding BEJString to comply with the DMTF specification. iLO 7 1.20, iLO6 1.74 and iLO5 3.18 are required to support this change.
- o DMTF PLDM Redfish Device Enablement enhancements
 - Add support for Redfish Conditions (GET)
 - Each resource contains a conditions table that lists the appropriate MessageId and MessageSeverity. Redfish messages impact the Redfish resource Status object. Any outstanding message will appear in the Redfish Status[Conditions] array. The highest Status[Conditions][Severity] sets the overall Status[Health] of the resource. When the Status[Conditions] array is empty the Status[Health] shall be OK.
 - Port Conditions do not display any condition other than OK
 - In scenarios where ControllerPreviousError condition happens, the same is listed under StorageController.Status. Usually after iLO acknowledges ControllerPreviousError event, FW clears the condition from the StorageController.Status.Conditions[] list.
 - Redfish Metrics GET Support for DriveMetrics, EnvironmentMetrics and VolumeMetrics
 - DriveMetrics: BadBlockCount, ReadIOPiBytes, WriteIOPiBytes, PowerOnHours, NVMeSMART (MVMesSMART attributes are supported for NVMe drive only)
 - EnvironmentMetrics for Drive Resource: TemperatureCelsius.Reading
 - VolumeMetrics: ConsistencyCheckCount, ConsistencyCheckErrorCount, RebuildErrorCount
 - Each counter can hold a value up to 65535. Once the counter reaches the maximum value the value is not reset.
 - Metrics are cleared when user performs Controller NVRAM clear or Redfish ResetToDefaults.ResetAll.
- o Add support for Redfish Parallel Resource PDR. The feature reduce iLO resource required to support controller related Metrics.
- o Add support for UBM11 backplane
- o Enhanced the UBM backplane firmware update process to eliminate the risk of firmware corruption when transferred data becomes corrupted
- o Refine the message on HII prereview configuration for the foreign import
- o Removed the Sanitize Secure Erase option from MRSA for SED drives, as SEDs support only Cryptographic Erase
- o Return error when enabling encryption with 256 characters in the "EncryptionKeyIdentifier" property through Redfish

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers
 Version: 03.01.44.040 **(Recommended)**
 Filename: HPE_SR416_SR932_Gen10P_Gen11_03.01.44.040_A.fwpkg

Important Note!

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

Fixes

- Fixed an issue that prevented drive rebuilds from restarting after unexpected power loss when media exchange was accepted in auto-replace spare configurations.
- Fixed an issue that caused auto-replace spare activation during the LOOSE_CABLE state, which could swap data drives prematurely and lead to volume failure and potential data integrity issues.
- Fixed an issue where suspending the controller password could fail due to an incorrect status update.
- Fixed an issue where missing spares were not correctly identified for NVMe logical drives, which could prevent automatic rebuild
- Fixed an issue that could cause inconsistent data behavior immediately after driver initialization under specific I/O conditions.
- Fixed an issue where valid NVMe pass-through commands could fail due to incorrect transfer size validation.
- Fixed an issue where IOPS could drop on large-capacity HDDs during Consistency Check under 4K random write workloads in RAID 1 configurations.
- Fixed an issue no-battery write cache (NBWC) can be enabled by the user in the event of a battery failure, unless the cache module itself is experiencing an error.
- Fixed an issue where ATA passthrough IDENTIFY DEVICE (0xEC) commands issued from BMC could time out due to incorrect transfer length handling.
- Fixed an issue where SSD array creation with non-deterministic drive ordering could incorrectly disable Accelerated IO on some drives, leading to performance degradation.
- Fixed an issue where the fault LED did not illuminate for a hot-removed data drive during RAID rebuild with auto replace spare enabled.
- Fixed an issue where controller settings stored in NVRAM could revert to factory defaults after a host power cycle.
- Fixed an issue where NVMe I/O command responses could fail to be returned to the host when using high PCIe address ranges.
- Fixed an issue where failed or missing drives were not correctly indicated when listing drives in the HII disk utilities menu.
- Fixed an issue where PLDM Type 6 volume creation could fail on certain controllers that do not support volume caching or the IOPerfModeEnabled feature. Volume creation and update requests that explicitly disable these features (for example, setting cache policies to Off or IOPerfModeEnabled to false) are now handled

- correctly and will no longer be rejected.
- Fixed an issue where RDE READ could incorrectly report a split mirror backup volume as Enabled instead of StandbyOffline when the original primary volume was created via RDE CREATE. Volume usage identification was corrected to ensure accurate status reporting.
- Fixed an issue where DriveMetrics.PowerOnHours could be incorrectly reported as zero for SSDs on certain platforms. Power-on hours reporting was updated by drive type, NVMe drives reporting with DriveMetrics.NVMeSMART.PowerOnHours, SAS and SATA HDDs reporting a null value.

Enhancements

- Improved SATA drive identification by using the drive-reported WWN from IDENTIFY DEVICE after the PQI driver is loaded.
- Updated NVMe drive startup handling to allow up to 60 seconds for drives to become ready after shutdown or power events.
- Updated the open source mbedTLS library to version 3.6.4.
- Added support for Write Buffer 16 to enable larger NVMe firmware downloads.
- HII disk utilities menu: Added NVMe drive Maximum Data Transfer Size (MDTS) visibility and updated default stripe size help text to consider MDTS limits, improving guidance for selecting compatible stripe settings.
- Logical drive information menu: Enhanced to display the association between failed data drives and active spares upon drive failure.
- "Added support for the standardized Operation property in PLDM Operations arrays, providing schema-defined operation enums as below:
 - Drive Resource — Rebuild/Sanitize/Encrypt
 - Volume Resource — Initialize/Rebuild/Encrypt/ChangeRAIDLAYOUT/ChangeStripSize/Resize.
 The legacy OperationName property remains available and is now marked as deprecated."
- Added support for StorageController status conditions ResetRecommended and ResetRequired. When configuration changes require a system reboot to take effect, the controller reports the status through both Status.Conditions and Redfish event messages.
- Enhanced RDE error messaging to provide clearer error descriptions for Volume DELETE and SED-enabled CREATE operations, returning detailed messages directly in the response payload instead of generic ExtendedInfo references.

HPE D3600/D3700/D3610/D3710 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 5.04 (O) (**Recommended**)

Filename: CP070656.compsig; CP070656.md5; CP070656.zip

Important Note!

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D3000(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D3000.log and flash summary is logged to /var/cpq/Component.log.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D3000.log and flash summary is logged to /var/cpq/Component.log.

Fixes

The following fixes were incorporated in this version:

- The Enabled-Clusters2D command now completes successfully when executed on a SATA drive within a D3610 disk enclosure for a NonStop solution.
- The smart carrier, which is the drive case for SAS drives, now authenticates in the D3610/D3710 drive enclosure.
- Added new 7-segment error codes E0 and E1 to report issues with Fan modules A and B, respectively. These new codes only apply to the D3610/D3710 and only display when running firmware 5.04.
- If the storage enclosure processor within the I/O module fails, a hard reset (power down and then power up) is executed to ensure the processor comes back online.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Enhancements

Added support of ESXi 9.0

Removed support of ESXi 7.0

Supported Devices and Features

The D3600 / D3700 / D3610 / D3710 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- Smart Array P408e-p Controller
- Smart Array E208e-p Controller

HPE D3610B/D3710B 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 6.00 (I) (**Recommended**)

Filename: CP070658.compsig; CP070658.md5; CP070658.zip

Important Note!

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D3000B(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D3000B.log and flash summary is logged to /var/cpq/Component.log.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D3000B.log and flash summary is logged to /var/cpq/Component.log.

Fixes

The following fixes were incorporated in this version:

- o Code optimization to save memory repo.
- o TLB exception seen while doing esp reset when expander reset was in progress.
- o Added the psoc 8.93 binary in peripheral images, updated the reveille version numbers.
- o Added whole new Delta PS-pmbus code , Updated the ESP version number.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Enhancements

Added support of ESXi 9.0

Removed support of ESXi 7.0

Supported Devices and Features

The D3610B / D3710B Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o Smart Array P408e-p Controller
- o Smart Array E208e-p Controller

HPE D6020 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Version: 2.74 (V) (**Recommended**)

Filename: CP070660.compsig; CP070660.md5; CP070660.zip

Important Note!

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D6020(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D6020.log and flash summary is logged to /var/cpq/Component.log.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D6020.log and flash summary is logged to /var/cpq/Component.log.

Fixes

The following fixes were incorporated in this version:

- o Temperature sensors logic inside gSEP model and SES database
- o When an IOM is pulled the surviving IOM reports false critical temperatures

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Enhancements

Added support of ESXi 9.0

Removed support of ESXi 7.0

Supported Devices and Features

The D6020 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o Smart Array P408e-p Controller
- o Smart Array E208e-p Controller

HPE D8000 12Gb SAS Disk Enclosure ROM Flash Component for VMware (ESXi)

Important Note!

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted. In single domain configuration, if user hosts an OS in D8000(or any storage box) and flash the SEPs, it will hang/crash everytime as SmartComponent will reset the SEPs after flash/codeload.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D8000.log and flash summary is logged to /var/cpq/Component.log.

Prerequisites

IMPORTANT: Firmware updates must be performed during a system maintenance window, with all I/O to the system halted.

WARNING! Do not power cycle or restart during the firmware update as this can result in loss of capabilities for this unit. It typically takes several minutes for the firmware to load.

NOTE: All firmware flash progress messages are logged to /var/cpq/D8000.log and flash summary is logged to /var/cpq/Component.log.

Fixes

The following fixes were incorporated in this version:

- o Smart Array reporting "Storage Enclosure FW upgrade Problem Detected".
- o PSU version is showing as "No Ver" after inserted the New bel power PSU.
- o GEM_5_2 Coverity defect fix.

Please refer to the [Release Notes](#) for the complete listing of fixes, enhancements, known issues and work-arounds corresponding to this firmware.

Enhancements

Added support of ESXi 9.0

Removed support of ESXi 7.0

Supported Devices and Features

The D8000 Enclosure can be attached to any of the following HPE Storage Controllers and Host Bus Adapters :

- o HPE Smart Array P408e-p Controller
- o HPE Smart Array E208e-p Controller

Online Firmware Flash for ESXi - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d
Version: 1.2.14.1018 (D) **(Recommended)**
Filename: CP070870.compsig; CP070870.zip

Enhancements

- o ESXi9.1 support.

Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers
Version: 5.15 (D) **(Recommended)**
Filename: CP070868.compsig; CP070868.zip

Important Note!

- o **Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.**

Enhancements

- o ESXi 9.1 support

Online ROM Flash Component for VMware ESXi - HPE Apollo 2000 Gen10 Plus Backplane Expander FW
Version: 1.27 (D) **(Recommended)**
Filename: CP070857.compsig; CP070857.zip

Enhancements

- o ESXi 9.1 support

Online ROM Flash Component for VMware ESXi - HPE Apollo 4200 Gen10 Plus Backplane Expander Firmware
Version: 0.39 (E) **(Recommended)**
Filename: CP070858.compsig; CP070858.zip

Prerequisites

- o Before upgrading to 0.39(D) and above, please flash to the transition version 0.39 first by standalone update approach to activate the new PID naming.
- o 0.39(B) is the minimum version for Gen10plus 4200 expander FW.
- o **0.39 transition version link:** <https://www.hpe.com/global/swpublishing/MTX-baec686eb389427aa933bbf9f0>

Enhancements

- o ESXi9.1 support.

Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10 Controllers
Version: 8.00 (B) (**Recommended**)
Filename: CP070869.compsig; CP070869.zip

Important Note!

- o HPE Service Pack for ProLiant (SPP) provides a fully qualified recipe for specific firmware and drivers released within the same cycle, making it the primary recommended choice.
- o It is strongly recommended to use controller firmware version 8.00 for SR SAS/SATA controllers and firmware version 03.01.44.040 for SR tri-mode controllers, along with Windows 2022/2025 driver version 1016.30.0.1014, Linux driver version 2.1.38-022, and VMware ESXi driver version 80.4880.0.109/90.4880.0.109, as this combination has been fully qualified.
- o **For Windows 2016 driver, please use 1010.84.0.1012 in below link:**
<https://www.hpe.com/global/swpublishing/MTX-c523e081ab344bc4b4bc9d5686>
- o **For Windows 2019 driver, please use 1016.10.0.1004 in below link:**
<https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7>
- o FWPKG support for PLDM firmware upgrades was introduced. As a transition point, both OS-dependent, offline smart components and OS-independent FWPKG for PLDM firmware package updates were made available. From firmware versions later than 5.61, OS-dependent smart and offline components can only be used on DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors servers due to limitations associated with the PLDM Firmware Package Upgrade. Ref customer advisory [a00119198en-us](https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7). For servers other than DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors, please use OS-independent FWPKG for PLDM firmware package updates after firmware version 5.61.

Enhancements

- o ESXi9.1 support

Online ROM Flash Component for VMware ESXi - HPE Smart Array P816i-a,P416ie-m,P408i-p, P408e-p, P408i-a,P408i-c,P204i-c,E208i-p, E208e-p, E208i-a, P208i-c SR Gen10
Version: 5.61 (F) (**Recommended**)
Filename: CP070871.compsig; CP070871.zip

Important Note!

- o FWPKG support for PLDM firmware upgrades was introduced. As a transition point, both OS-dependent, offline smart components and OS-independent FWPKG for PLDM firmware package updates were made available. From firmware versions later than 5.61, OS-dependent smart and offline components can only be used on DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors servers due to limitations associated with the PLDM Firmware Package Upgrade. Ref customer advisory [a00119198en-us](https://www.hpe.com/global/swpublishing/MTX-29e86213c3ab4e94b0b54906f7). For servers other than DL325 and DL385 Gen10 with AMD EPYC 7xx2 Series Processors, please use OS-independent FWPKG for PLDM firmware package updates after firmware version 5.61.

Enhancements

- o ESXi9.1 support.

Firmware - Storage Fibre Channel

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0
Version: 2026.04.01 (**Recommended**)
Filename: CP070311.compsig; CP070311.zip

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Important Note!

Release notes:

[Broadcom Release notes](#)

This Firmware package contains following firmware versions:

| Adapter | Speed | Universal Boot Image | Firmware | UEFI | Boot Bios |
|---|-------|----------------------|-------------|------------|------------|
| HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter | 16Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter | 16Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |

Added Following Enhancements:

[Redfish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Prerequisites

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

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

Fixes

Fixed the following:

SPDM - Get Certificate response returns out of bound values

Enhancements

This Firmware package contains following firmware versions:

| Adapter | Speed | Universal Boot Image | Firmware | UEFI | Boot Bios |
|---|-------|----------------------|-------------|------------|------------|
| HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter | 16Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter | 16Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.5 | 14.4.731.5 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |
| HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.731.10 | 14.4.731.10 | 14.4.716.0 | 14.4.718.0 |

Added Following Enhancements:

[Redfish]:HPE specific SFP Data - Predicted days for non working stage

[Redfish]: API to read SFP Data

Supported Devices and Features

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

16Gb FC Adapter:

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

32Gb FC Adapter:

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

64Gb FC Adapter:

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

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

Version: 2026.06.01 **(Recommended)**

Filename: CP071245.compsig; CP071245.zip

Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

This Firmware package contains following firmware versions:

| Adapter | Speed | MBI | Firmware | UEFI | Boot Bios |
|--|-------|----------|----------|------|-----------|
| HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter | 16Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter | 16Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 02.11.13 | 09.15.19 | 7.39 | NA |

Fixed the following:

- o SN1610Q and SN1700Q Adapter disappears from integrated Lights Out (ILO) listing when its Small Form Factor Pluggable (SFP) transceiver is reinserted.
- o Vendor and Part Number Values are empty for Adapter port with 32G Amphenol Small Form Factor Pluggable (SFP) transceiver during Redfish SFP Read
- o SN1610Q adapter with FW 02.11.09 configured on RedHat Enterprise Linux; rhel messages file is filled with the following kernel messages like: "qla2xxx [0000:61:00.0]-706d:4: Unable to read SFP data (2/a/0)"
- o HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host components doesn't complete the firmware flash.

- o HPE MBX CMD timeout and ISP Abort/Reset after SFP reinsertion.

Prerequisites

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

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

Fixes

Fixed the following:

- o SN1610Q and SN1700Q Adapter disappears from integrated Lights Out (ILO) listing when its Small Form Factor Pluggable (SFP) transceiver is reinserted.
- o Vendor and Part Number Values are empty for Adapter port with 32G Amphenol Small Form Factor Pluggable (SFP) transceiver during Redfish SFP Read
- o SN1610Q adapter with FW 02.11.09 configured on RedHat Enterprise Linux; rhel messages file is filled with the following kernel messages like: "qla2xxx [0000:61:00.0]-706d:4: Unable to read SFP data (2/a0/0)"
- o HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host components doesn't complete the firmware flash.
- o HPE MBX CMD timeout and ISP Abort/Reset after SFP reinsertion.

Enhancements

This Firmware package contains following firmware versions:

| Adapter | Speed | MBI | Firmware | UEFI | Boot Bios |
|--|-------|----------|----------|------|-----------|
| HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter | 16Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter | 16Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.05.01 | 9.15.05 | 7.28 | 3.68 |
| HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 02.11.13 | 09.15.19 | 7.39 | NA |
| HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 02.11.13 | 09.15.19 | 7.39 | NA |

Supported Devices and Features

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

16Gb Fibre Channel Host Bus Adapter:

- o HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- o HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

32Gb Fibre Channel Host Bus Adapter:

- o HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

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

Software - Management

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

Version: 2026.03.00 (**Recommended**)

Filename: cp070019.compsig; cp070019.zip

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Enhancements

Added support for vSphere 9.1 OS

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

Version: 2026.03.01 (**Recommended**)

Filename: cp069350.compsig; cp069350.zip

Important Note!

- o Actual ESXi8.0 ssacli version is 6.60.8.0

Enhancements

- Modified the SSACLI component version format to meet the new requirement from VMware ESXi for 9.1
- Added spare type decoding in Array Diagnostic Utility (ADU) reports to indicate whether a logical drive uses dedicated or auto-replace spares
- Modified the default strip size for NVMe drives based on the Maximum Data Transfer Size (MDTS), and tools will set the default strip size to the minimum supported MDTS value when creating or migrating a logical drive

Software - Storage Controller

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

Version: 2026.03.01 (**Recommended**)

Filename: cp068889.compsig; cp068889.zip

Important Note!

- o Actual ESXi Version is 007.3604.0000.0000

Fixes

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

Enhancements

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

Software - Storage Fibre Channel

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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2026.04.01 (**Recommended**)

Filename: cp070510.compsig; cp070510.zip

Important Note!

Release Notes:

[HPE QLogic Adapters Release Notes](#)

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

This driver is only supported on VMware ESXi 8.0u3

Prerequisites

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

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

Enhancements

Driver version 5.4.86.0-1

This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

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

16Gb Fibre Channel Host Bus Adapter:

- o HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- o HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter

32Gb Fibre Channel Host Bus Adapter:

- o HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- o HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

64Gb Fibre Channel Host Bus Adapter:

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

Software - System Management

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HPE Agentless Management Bundle for ESXi for HPE Gen10 and Gen10 Plus Servers

Version: 802.11.13.0 (**Recommended**)

Filename: amsdComponent_802.11.13.0.1-1.zip

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 Gen10 and Gen10 Plus Servers

Version: 2026.03.01 (**Recommended**)

Filename: cp070839.compsig; cp070839.zip

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.

Get connected

hpe.com/info/getconnected

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