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1. Release Summary

This end user Release Notes for Marvell FastlinQ Ethernet adapters is applicable for the Industry Standard Adapters supported on the HPE ProLiant Gen10 Plus Servers.

1.1.1 Supported Adapters

HPE Adapter	Description
QL41132HLCU-HC P21933-B21	Marvell QL41132HLCU Ethernet 10Gb 2-port SFP+ Adapter
QL41132HQRJ-HC P10103-B21	Marvell QL41132HQRJ 2-port BASE-T OCP3 Adapter
QL41132HLRJ-HC P08437-B21	Marvell QL41132HQRJ 2-port BASE-T Adapter
QL41132HQCU-HC P08452-B21	Marvell QL41132HQCU Ethernet 10Gb 2-port SFP+ OCP3 Adapter
QL41232HQCU-HC P10118-B21	Marvell QL41232HQCU Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter
QL41232HLCU-HC P22702-B21	Marvell QL41232HLCU Ethernet 10/25Gb 2-port SFP28 Adapter
QL41134HLCU-HC P10094-B21	Marvell QL41134HLCU 4-port 10Gb SFP+ Adapter

1.1.2 New in this Release

- Support for new OS: WS 2022 LTSC, RHEL 8.4, SLES 15 SP3, ESXi 7.0u2
- Product documentation and release notes updated
- Fixes for drivers, firmware, and tools
- QCC GUI and QCS GUI are EOLd, and these applications are no longer included

1.1.3 Supported Operating Systems

OS	QL41xxx
Windows Server 2016 LTSC	Yes
Windows Server 2019 LTSC	Yes
Windows Server 2022 LTSC (Standard, Premium)	Yes
RHEL 7.8 (x86 & x64)	Yes
RHEL 7.9 (x86 & x64)	Yes
RHEL 8.3 (x86 & x64)	Yes
RHEL 8.4 (x86 & x64)	Yes
SLES 12 SP4 (x86 & x64)	Yes
SLES 12 SP5 (x86 & x64)	Yes
SLES 15 SP2 (x86 & x64)	Yes
SLES 15 SP3 (x86 & x64)	Yes
Ubuntu 20.04 LTS	Inbox only
ESXi 6.7 U3	Yes
ESXi 7.0 U2	Yes
Citrix CH 8.2 LTSR	Inbox only

2. Driver Versions

2.1.1 Windows Drivers

Product	Version
Windows Driver Installer	20.80.1.14
Windows qevbd Driver	8.58.16.0*
Windows qend Driver	8.58.12.0*
Windows qxdiaq Driver	8.14.0.0*

2.1.2 Linux Drivers

Product	Version
Linux RPM Package	8.55.14.0-2
Linux qed	8.55.14.0
Linux qede	8.55.14.0
Linux qedr	8.55.14.0

2.1.3 vSphere ESXi Drivers

Product	Version
ESXi 6.7 Driver Package	4.0.270.0*
ESXi L2 Driver qedentv	3.11.41.0*
ESXi RoCE Driver qedrntv	3.11.40.0*
ESXi 7.0 Driver Package	5.0.269.0*
ESXi L2 Driver qedentv	3.40.36.0*
ESXi RoCE Driver qedrntv	3.40.35.0*

Product	VMware Driver CD CMR Link (Updated)
ESXi 6.7 Driver Package	
ESXi L2 Driver qedentv	https://my.vmware.com/en/group/vmware/downloads/details?downloadGroup=DT-ESXI67-MARVELL-MRVL-E4-CNA-402700&productId=742
ESXi RoCE Driver qedrntv	Same link as above
ESXi ENS Driver qedentv_ens	Same link as above
ESXi 7.0 Driver Package	
ESXi L2 Driver qedentv	https://my.vmware.com/en/web/vmware/downloads/details?downloadGroup=DT-ESXI70-MARVELL-MRVL-E4-CNA-502690&productId=974
ESXi RoCE Driver qedrntv	Same link as above
ESXi ENS/UENS Driver	ENS/UENS functionality in ESXi 7.0 is included in qedentv driver

Product	VMware vCG Link (Permalink) **
QL41232HLCU-HC	Marvell FastLinQ 41000 Series - 2P 25GbE SFP28 QL41232HLCU-HC MD2 Adapter (SR-IOV)
QL41132HQU-HC	Marvell FastLinQ 41000 Series - 2P 10GbE SFP+ QL41132HQU-HC OCP3 Adapter (SR-IOV)
QL41134HLCU-HC	Marvell FastLinQ 41000 Series - 4P 10GbE SFP+ QL41134HLCU-HC MD2 Adapter (SR-IOV)
QL41232HQU-HC	Marvell FastLinQ 41000 Series - 2P 25GbE SFP28 QL41232HQU-HC OCP3 Adapter (SR-IOV)
QL41132HLCU-HC	Marvell FastLinQ 41000 Series - 2P 10GbE SFP+ QL41132HLCU-HC MD2 Adapter (SR-IOV)
QL41132HQRJ-HC	Marvell FastLinQ 41000 Series - 2P 10GbE 10GBASE-T QL41132HQRJ-HC OCP3 Adapter (SR-IOV)
QL41132HLRJ-HC	Marvell FastLinQ 41000 Series - 2P 10GbE 10GBASE-T QL41132HLRJ-HC MD2 Adapter (SR-IOV)

2.1.4 Firmware, Tools, and Applications

Product	Version
PXE Driver	2.0.19
uEFI Driver	6.1.8.2*
MFW	8.55.43.0
MBI	8.55.14
Linux eddiag	8.53.4.0
Windows eddiag	8.53.4.0
uEFI qediag	8.53.4.0

Product	Version
Firmware Upgrade Linux	2.11.10
Firmware Upgrade Windows	2.11.10
Firmware Upgrade VMware ESXi	2.11.10
Linux uIP Driver	2.11.5.13
Linux uIP RPMs	2.11.5.13-3
Slipstream Installer Script	2.0

Product	Version
QCS Windows Installer	20.80.1.4
QCS CLI	40.0.79.0
QCS CLI for Linux	40.0.79.0
QCC PowerKit for Windows	1.1.5
QCC PowerKit for Linux	1.1.5
QCC PowerKit for ESXi	1.1.5*
CIM Provider VI Plugin	2.0.36-7*
ESX CLI Plugin 6.7/7.0	3.2.10*

3. Related Documentation

Marvell Document Library <https://www.marvell.com/support/doc-library/> and select product family Search for documents from <https://www.marvell.com/> and click the search icon. Example: Enter the document number *AH0054601*

NOTES

1. * -- An asterisk (*) following a version number represents a certified/signed driver
2. ** -- vCG Permalink for ESXi driver lists SR-IOV and L2 NIC (without SR-IOV) links. Both listings use the same driver version and the same firmware version. The SR-IOV vCG listing identifies a SR-IOV capable, VMware certified and supported adapter
3. NPAR
 - a. 8-PFs per adapter; RDMA (RoCEv2, iWARP) is available on any Ethernet provisioned PF (supported on all NIC partitions)
 - b. VF-RDMA is not available on NPAR functions
 - c. *Partitioning mode* error observed with HII tool after downgrading the MBI. Do not downgrade firmware to previous version after enabling NPAR, disable NPAR first and then downgrade.
4. PLDM Firmware update support
 - a. iLO v2.30 or newer supporting PLDM firmware update
 - b. Minimum adapter firmware version MFW 8.55.22.0, and MBI 8.55.12
 - c. Set iLO to enable "Accept 3rd Party Firmware Update packages"

Document File	Location
UsersGuide_41000_CNA-IEA_AH0054601-00	https://www.marvell.com/documents/siz8570tjs8w87ivo1bs/
UsersGuide_QCC_PlugInsForVSphere_SN0054677-00ZM	https://www.marvell.com/content/dam/marvell/en/public-collateral/fibre-channel/marvell-fibre-channel-qlogic-qconvergeconsole-plug-ins-for-vmware-user-guide.pdf
UsersGuide_PowerShell_BC0054518-00	https://www.marvell.com/documents/1rpeilf67dyjya58ecoy/
Users Guide ESXCLI VMware Plug-in BC0151101-00M	https://www.marvell.com/content/dam/marvell/en/public-collateral/ethernet-adaptersandcontrollers/marvell-ethernet-adapters-fastling-series-esxcli-vmware-user-guide.pdf
HPE-Marvell-PB-FastLinQ-41000-Series-Adapters AH2058029-00 Product Brief	https://www.marvell.com/docs/hpe/assets/hpe-marvell-pb-fastling-41000-series-adapters.pdf
MARVELL FastLinQ 41000 Series Adapters Interoperability Matrix BC0154504-00	https://www.marvell.com/documents/xalflardzafh32cfvi0z/
Compatible ESXi Driver Versions for Marvell FastLinQ Adapters	Link to ESXi Driver Compatibility Matrix for Marvell FastLinQ