

VMware vSphere 6.5.x on Dell EMC PowerEdge Servers

Compatibility Matrix

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

Copyright © 2017 Dell Inc. or its subsidiaries. All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

Contents

1 Overview	4
2 Dell EMC PowerEdge servers—Compatibility matrix	5
3 Dell EMC PowerEdge servers—SD card compatibility matrix	8
4 PowerEdge servers—RAID controller compatibility matrix	14
5 Dell EMC PowerEdge servers—VMware vCenter the Server compatibility matrix	18
6 Devices supported for PCIe Pass-Through	19
7 Getting help	21
Contacting Dell EMC.....	21
Related information for virtualization solutions.....	21
Technical support resources.....	22
Discussion forums.....	22
Knowledge base.....	22
Virtualization videos on Dell EMC PowerEdge servers.....	22
Documentation resources.....	23
Downloading the drivers and firmware.....	25
Documentation feedback.....	25

Overview

This document provides information about Dell EMC-supported PowerEdge servers compatible with VMware ESXi 6.5.x.

Dell EMC PowerEdge servers—Compatibility matrix

The following table describes about the Dell EMC PowerEdge servers with the supported processors:

Table 1. Dell EMC PowerEdge servers—compatibility matrix

PowerEdge servers	Processor series
FC830	Intel Xeon E5-46xx v3 series Intel Xeon E5-46xx v4 series
FC630	Intel Xeon E5-26xx v3 series Intel Xeon E5-46xx v4 series
FC430	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
M830	Intel Xeon E5-46xx v3 series Intel Xeon E5-46xx v4 series
M820	Intel Xeon E5-46xx v2 series Intel Xeon E5-46xx series
M630	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
M620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series
M520	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
M420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
R940	Intel Xeon Scalable Family - Skylake SP (81xx series, 61xx series, and 51xx series)
R930	Intel Xeon E7-88xx v3 series Intel Xeon E7-48xx v3 series

PowerEdge servers	Processor series
	Intel Xeon E7-48xx v4 series Intel Xeon E7-88xx v4 series
R830	Intel Xeon E5-46xx v4 series
R920	Intel Xeon E7-88xx v2 series Intel Xeon E7-48xx v2 series
R820	Intel Xeon E5-46xx v2 series Intel Xeon E5-46xx series
R740xd	Intel Xeon Scalable Family - Skylake SP (81xx series, 61xx series, 51xx series, 41xx series, and 31xx series)
R740	Intel Xeon Scalable Family - Skylake SP (81xx series, 61xx series, 51xx series, 41xx series, and 31xx series)
R730xd	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
R730	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
R720xd	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series
R720	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series
R640	Intel Xeon Scalable Family - Skylake SP (81xx series, 61xx series, 51xx series, 41xx series, and 31xx series)
R630	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
R620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx Series
R530	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
R520	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
R430	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series

PowerEdge servers	Processor series
R420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
R330	Intel Xeon E3-1200 v6 series Intel Xeon E3-1200 v5 series
R320	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series Intel Xeon E5-14xx v2 series
R230	Intel Xeon E3-1200 v6 series Intel Xeon E3-1200 v5 series
R220	Intel Xeon E3-1200-v3 series
T630	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
T620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series
T430	Intel Xeon E5-26xx v3 series Intel Xeon E5-26xx v4 series
T420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
T330	Intel Xeon E3-1200 v6 series Intel Xeon E3-1200 v5 series
T320	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series
T130	Intel Xeon E3-1200 v6 series Intel Xeon E3-1200 v5 series

Dell EMC PowerEdge servers—SD card compatibility matrix

Table 2. Dell EMC PowerEdge servers—SD card compatibility matrix

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
FC830	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
FC630	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
FC430	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M830	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M820	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M630	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M620	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M520	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
M420	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R940	Intel C621	Dell EMC	16 GB SD Card	R7YTT
		Dell EMC	32 GB SD Card	0PD22
		Dell EMC	64 GB SD Card	7XDNW
R930	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
R920	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R820	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R740xd	Intel C621	Dell EMC	16 GB SD Card	R7YTT
		Dell EMC	32 GB SD Card	0PD22
		Dell EMC	64 GB SD Card	7XDNW
R740	Intel C621	Dell EMC	16 GB SD Card	R7YTT
		Dell EMC	32 GB SD Card	0PD22
		Dell EMC	64 GB SD Card	7XDNW
R730xd	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R730	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R720xd	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
		Dell		
R720	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R640	Intel C621	Dell EMC	16 GB SD Card	R7YTT
		Dell EMC	32 GB SD Card	0PD22
		Dell EMC	64 GB SD Card	7XDNW
R630	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R620	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R530	Intel C610	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R520	Intel C600	Dell	8 GB SD card	W1T9G
		Dell	16 GB SD card	7GH0Y
		Dell	16 GB SD card	H1H8M
		Dell	32 GB SD card	XVP8P
		Dell	64 GB SD card	1X6VF
R430	Intel C610	Dell	8 GB SD card	W1T9G
			16 GB SD card	7GH0Y

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
		Dell Dell Dell Dell	16 GB SD card 32 GB SD card 64 GB SD card	H1H8M XVP8P 1X6VF
R420	Intel C600	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
R330	Intel C236	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
R320	Intel C600	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
T630	Intel C610	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
T620	Intel C600	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
T430	Intel C610	Dell	8 GB SD card 16 GB SD card	W1T9G 7GH0Y

PowerEdge servers	Platform Chipset	Manufacturer	Size	DPN *
		Dell Dell Dell Dell	16 GB SD card 32 GB SD card 64 GB SD card	H1H8M XVP8P 1X6VF
T420	Intel C600	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
T320	Intel C600	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF
T330	Intel C236	Dell Dell Dell Dell Dell	8 GB SD card 16 GB SD card 16 GB SD card 32 GB SD card 64 GB SD card	W1T9G 7GH0Y H1H8M XVP8P 1X6VF

*Dell EMC Part Number (DPN) is an alphanumeric code on the barcode of your SD card.

PowerEdge servers—RAID controller compatibility matrix

Table 3. 14th generation PowerEdge servers—PERC 10 controllers compatibility matrix

PowerEdge servers	R940	R740xd	R740	R640
PERC H840 adapter	Y	Y	Y	Y
PERC H740P adapter	Y	Y	Y	Y

Table 4. 14th generation PowerEdge servers—PERC 9 controllers compatibility matrix

PowerEdge servers	R940	R740	R740xd	R640
PERC H730P adapter	N	Y	Y	Y
PERC H730P mini monolithic	N	Y	Y	Y
PERC H730P mini blades	N	N	N	N
PERC H730 adapter	N	Y	Y	Y
PERC H730 mini monolithic	N	Y	Y	Y
PERC H730 mini blades	N	N	N	N
PERC H330 adapter	Y	Y	Y	Y
PERC H330 mini monolithic	N	Y	Y	Y
PERC H330 mini blades	N	N	N	N
PERC H830 adapter	N	N	N	N
PERC HBA330 adapter	N	Y	Y	Y
PERC HBA330 Mini-Mono	N	Y	Y	Y
12 Gbps SAS HBA adapter	N	Y	Y	Y
FD33xS-PERC	N	Y	Y	Y
FD33xD-PERC	N	N	N	N

Table 5. 13th generation PowerEdge servers—PERC 9 controllers compatibility matrix

PowerEdge servers	R930	R830	R920	R730	R730xd	R630
PERC H730P adapter	Y	Y	Y	Y	N	Y
PERC H730P mini monolithic	N	N	N	Y	Y	Y
PERC H730P mini blades	N	N	N	N	N	N

PowerEdge servers	R930	R830	R920	R730	R730xd	R630
PERC H730 adapter	N	Y	N	N	N	Y
PERC H730 mini monolithic	N	N	N	Y	Y	Y
PERC H730 mini blades	N	N	N	N	N	N
PERC H330 adapter	N	Y	N	N	N	Y
PERC H330 mini monolithic	N	N	N	Y	Y	Y
PERC H330 mini blades	N	N	N	N	N	N
PERC H830 adapter	Y	Y	N	Y	Y	Y
PERC HBA330 adapter	Y	Y	N	N	N	N
PERC HBA330 Mini-Mono	N	N	N	Y	Y	Y
12 Gbps SAS HBA adapter	Y	Y	N	Y	Y	Y
FD33xS-PERC	N	N	N	N	N	N
FD33xD-PERC	N	N	N	N	N	N

Table 6. 13th generation PowerEdge servers—PERC 9 controllers compatibility matrix

PowerEdge servers	R530	R430	R330	R230	M830	M630
PERC H730P adapter	Y	Y	N	N	N	N
PERC H730P mini monolithic	Y	Y	N	N	N	N
PERC H730P mini blades	N	N	N	N	Y	Y
PERC H730 adapter	Y	Y	Y	Y	N	N
PERC H730 mini monolithic	Y	Y	N	N	N	N
PERC H730 mini blades	N	N	N	N	Y	Y
PERC H330 adapter	Y	Y	Y	Y	N	N
PERC H330 mini monolithic	Y	Y	N	N	N	N
PERC H330 mini blades	N	N	N	N	Y	Y
PERC H830 adapter	Y	Y	Y	Y	N	N
PERC HBA330 adapter	Y	N	Y	Y	N	N
PERC HBA330 Mini-Mono	Y	Y	N	N	N	N
12 Gbps SAS HBA adapter	Y	Y	Y	Y	N	N
FD33xS-PERC	N	N	N	N	N	N
FD33xD-PERC	N	N	N	N	N	N

Table 7. 13th generation PowerEdge servers—PERC 9 controllers compatibility matrix

PowerEdge servers	T630	T430	T330	T130	FC830	FC630	FC430
PERC H730P adapter	Y	Y	N	N	N	N	N
PERC H730P mini monolithic	N	N	N	N	N	N	N
PERC H730P mini blades	N	N	N	N	Y	Y	N
PERC H730 adapter	Y	Y	Y	Y	N	N	N
PERC H730 mini monolithic	N	N	N	N	N	N	N
PERC H730 mini blades	N	N	N	N	Y	Y	N
PERC H330 adapter	Y	Y	Y	Y	N	N	N
PERC H330 mini monolithic	N	N	N	N	N	N	N
PERC H330 mini blades	N	N	N	N	Y	Y	N
PERC H830 adapter	Y	Y	Y	Y	N	N	N
PERC HBA330 adapter	Y	Y	Y	Y	N	N	N
PERC HBA330 Mini-Mono	N	N	N	N	N	N	N
12 Gbps SAS HBA adapter	Y	Y	Y	Y	N	N	N
FD33xS-PERC	N	N	N	N	Y	Y	Y
FD33xD-PERC	N	N	N	N	Y	Y	Y

Table 8. 12th generation PowerEdge servers—PERC 8 controllers compatibility matrix

PowerEdge servers	R920	R820	R720xd	R720	R620	R520
PERC H710P adapter	N	Y	Y	Y	Y	N
PERC H710P mini monolithic	N	N	Y	Y	Y	Y
PERC H710P mini blades	N	N	N	N	N	N
PERC H710 adapter	N	Y	N	N	Y	N
PERC H710 mini monolithic	N	N	Y	Y	Y	Y
PERC H710 mini blades	N	N	N	N	N	N
PERC H310 adapter	N	Y	N	N	Y	Y
PERC H310 mini monolithic	N	N	Y	Y	Y	N
PERC H310 mini blades	N	N	N	N	N	N
PERC H810	Y	Y	Y	Y	Y	Y
6 Gbps SAS adapter	N	Y	Y	Y	Y	Y

Table 9. 12th generation PowerEdge servers—PERC 8 controllers compatibility matrix

PowerEdge servers	R420	R320	R220	M820	M620
PERC H710P adapter	N	N	N	N	N
PERC H710P mini monolithic	N	N	N	N	N
PERC H710P mini blades	N	N	N	Y	Y
PERC H710 adapter	N	N	N	N	N
PERC H710 mini monolithic	Y	Y	N	N	N
PERC H710 mini blades	N	N	N	Y	Y
PERC H310 adapter	Y	Y	Y	N	N
PERC H310 mini monolithic	N	N	Y	N	N
PERC H310 mini blades	N	N	N	Y	Y
PERC H810	Y	Y	N	N	N
6 Gbps SAS adapter	Y	Y	N	N	N

Table 10. 12th generation PowerEdge servers—PERC 8 controllers compatibility matrix

PowerEdge servers	M520	M420	T620	T420	T320
PERC H710P adapter	N	N	Y	Y	Y
PERC H710P mini monolithic	N	N	N	N	N
PERC H710P mini blades	Y	Y	N	N	N
PERC H710 adapter	N	N	Y	Y	Y
PERC H710 mini monolithic	N	N	N	N	N
PERC H710 mini blades	Y	Y	N	N	N
PERC H310 adapter	N	N	Y	Y	Y
PERC H310 mini monolithic	N	N	N	N	N
PERC H310 mini blades	Y	Y	N	N	N
PERC H810	N	N	Y	Y	Y
6 Gbps SAS adapter	N	N	Y	Y	Y

Legend

Y- Supported

N- Not supported

Dell EMC PowerEdge servers—VMware vCenter the Server compatibility matrix

VMware vCenter Server is supported on a limited set of the Microsoft Windows operating systems. For more information about supported operating systems, see [Vmware.com/support/pubs/](https://www.vmware.com/support/pubs/).

VMware vCenter Server is also available as a Linux vCenter appliance.

For more information about the Dell EMC PowerEdge servers compatibility with supported operating systems, see [Dell.com/ossupport](https://www.dell.com/ossupport).

Devices supported for PCIe Pass-Through

Table 11. Devices supported for Pass-Through

Server model with BIOS version	Controller model	Firmware version	Guest operating system (OS)	Guest OS Driver name	Guest OS Driver version used
FC630 (2.3.5)	QLogic 57810S Dual 10GE PCIe Standup Base-T CNA	08.07.25	WS 2012 R2 DC	Bnx60a	7.13.54.0
FC630 (2.3.5)	QLogic 57810S Dual 10GE PCIe Standup Base-T CNA	08.07.25	RHEL 7.2	Bnx2x	1.710.51-0
FC630 (2.3.5)	QLogic 57810S Dual 10GE PCIe Standup Base-T CNA	08.07.25	SLES 12 SP2	Bnx2x	1.710.51-0
T630 (2.3.4)	Intel X540 Adapter	17.5.10	WS 2012 R2 DC	ixi63x64	3.4.47.2
T630 (2.3.4)	Emulex OneConnect OCe14102-UX-D 2-port PCIe 10 GbE CNA	02.00.04	WS 2012 R2 DC	Ocnd64	11.0.243.18
T630 (2.3.4)	NVMe PM1725 800 GB PCIe SSD Controller	IPM0LD3Q	WS 2012 R2 DC	stornvme	6.3.9600.16421
T630 (2.3.4)	Emulex OneConnect OCe14102-UX-D 2-port PCIe 10 GbE CNA	02.00.04	RHEL 7.2	be2net	10.6.0.3r
T630 (2.3.4)	Intel X540 Adapter	17.5.10	RHEL 7.2	ixgbe	4.0.1-k
T630 (2.3.4)	NVMe PM1725 800 GB PCIe SSD Controller	IPM0LD3Q	RHEL 7.2	nvme	3.10.0-327
T630 (2.3.4)	NVMe PM1725 800 GB PCIe SSD Controller	IPM0LD3Q	SLES 12 SP2	nvme	4.4.21-69
T630 (2.3.4)	Intel X540 Adapter	17.5.10	SLES 12 SP2	ixgbe	4.0.1-k
T630 (2.3.4)	Emulex OneConnect OCe14102-UX-D 2-port PCIe 10 GbE CNA	02.00.04	SLES 12 SP2	be2net	11.0.0.0
M630P (2.3.5)	QLE2662 Dual Port FC16 HBA	08.00.15	WS 2012 R2 DC	ql2300i	9.1.11.3
M630P (2.3.5)	QLE2662 Dual Port FC16 HBA	08.00.15	RHEL 7.2	qla3xxx	v2.03.00-k5
M630P (2.3.5)	QLE2662 Dual Port FC16 HBA	08.00.15	SLES 12 SP2	qla3xxx	v2.03.00-k5
R930 (2.1.3)	Broadcom 57840 Adapter	08.07.25	WS 2012 R2 DC	bxnd60a	7.4.23.2
R930 (2.1.3)	Broadcom 57840 Adapter	08.07.25	RHEL 7.2	bnx2x	1.710.51-0
R930 (2.1.3)	Broadcom 57840 Adapter	08.07.25	SLES 12 SP2	bnx2x	1.710.51-0
R930 (2.1.3)	ConnectX-3 Dual Port 10 GbE DA/SFP+ Network Adapter	02.36.50	WS 2012 R2 DC	mlx4eth63	4.4.13905

Server model with BIOS version	Controller model	Firmware version	Guest operating system (OS)	Guest OS Driver name	Guest OS Driver version used
R930 (2.1.3)	ConnectX-3 Dual Port 10 GbE DA/SFP+ Network Adapter	02.36.50	RHEL 7.2	mlx4_core	2.2-1
R930 (2.1.3)	ConnectX-3 Dual Port 10 GbE DA/SFP+ Network Adapter	02.36.50	SLES 12 SP2	mlx4_core	2.2-1
M630P (2.3.5)	Dell Express Flash NVMe SM1715 3.2 TB PCIe SSD Adapter by Samsung	IPV45D3Q	WS 2012 R2 DC	stornvme	6.3.9600.16421
M630P (2.3.5)	Dell Express Flash NVMe SM1715 3.2 TB PCIe SSD Adapter by Samsung	IPV45D3Q	RHEL 7.2	nvme	1.0
M630P (2.3.5)	Dell Express Flash NVMe SM1715 3.2 TB PCIe SSD Adapter by Samsung	IPV45D3Q	SLES 12 SP2	nvme	1.0

Legends:

- WS - Windows Server
- SLES - SUSE Linux Enterprise Server
- SP - Service Pack
- RHEL - Red Hat Enterprise Linux

Getting help

Topics:

- [Contacting Dell EMC](#)
- [Related information for virtualization solutions](#)
- [Documentation resources](#)
- [Downloading the drivers and firmware](#)
- [Documentation feedback](#)

Contacting Dell EMC

Dell EMC provides several online and telephone based support and service options. If you do not have an active internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell EMC product catalog. Availability varies by country and product, and some services may not be available in your area.

To contact Dell EMC for sales, technical assistance, or customer service issues:

- 1 Go to Dell.com/support.
- 2 Select your country from the drop-down menu on the lower right corner of the page.
- 3 For customized support:
 - a Enter your system Service Tag in the **Enter your Service Tag** field.
 - b Click **Submit**.

The support page that lists the various support categories is displayed.
- 4 For general support:
 - a Select your product category.
 - b Select your product segment.
 - c Select your product.

The support page that lists the various support categories is displayed.
- 5 For contact details of Dell EMC Global Technical Support:
 - a Click [Global Technical Support](#).
 - b The **Contact Technical Support** page is displayed with details to call, chat, or email the Dell EMC Global Technical Support team.

Related information for virtualization solutions

Table 12. Related information for virtualization solutions

If you need information about	See
Dell EMC VMware documentation	Dell.com/virtualizationsolutions
OpenManage documentation	Dell.com/openmanagemanuals
PowerEdge documentation	Dell.com/poweredgemanuals
Basic configuration information for running ESXi on a Dell EMC PowerEdge server.	<i>Getting Started Guide</i> at Dell.com/virtualizationsolutions

If you need information about	See
<ul style="list-style-type: none"> Information about downloading, installing, and configuring ESXi Supported hardware configurations for running ESXi on a Dell EMC PowerEdge server 	<i>Installation Instructions and Important Information Guide</i> at Dell.com/virtualizationsolutions
PowerEdge servers and compatibility with vMotion	<i>VMware vMotion and 64-bit Virtual Machine Support Compatibility Matrix</i> at Dell.com/virtualizationsolutions
PowerEdge and PowerVault compatibility information for running ESXi	<i>VMware vSphere for Dell EMC PowerEdge servers Compatibility Matrix</i> at Dell.com/virtualizationsolutions
About known issues and resolution	<i>VMware vSphere 6 on Dell EMC PowerEdge server Release Notes</i> at Dell.com/virtualizationsolutions
ESXi ISO image customization information	<i>ESXi Image Customization Information</i> at Dell.com/virtualizationsolutions
ESXi Tech sheet	<i>VMware ESXi vSphere Important Information</i> at Dell.com/virtualizationsolutions

Technical support resources

- vmware.com/support
- [Dell and VMware Product Page](#)
- Dell.com/support/home
- Dell.com/services

Discussion forums

- communities.vmware.com/community/vmtn
- en.community.dell.com/techcenter/virtualization/w/wiki/vmware.aspx
- Wikis, Forums, Blogs and Videos
- Dellcommunity.com

Knowledge base

- kb.vmware.com/kb

NOTE: For more information related to the VMware ESXi installation on Dell EMC PowerEdge servers, go to [Dell Virtualization](#).

Virtualization videos on Dell EMC PowerEdge servers

All the supported virtualization videos for Dell EMC PowerEdge servers are available in the [Supported Operating servers for Dell PowerEdge servers](#) playlist.

Table 13. Virtualization videos on Dell EMC PowerEdge servers

Video title	Links
Downloading the Dell EMC customized ESXi image from support site	www.youtube.com/watch?v=YnVxtkAkYTI
OS Deployment (VMware ESXi) - Installing Using CD/DVD	www.youtube.com/watch?v=-EbufUS86zA
Enabling and Configuring Fault Resilient Memory on Dell EMC PowerEdge servers	www.youtube.com/watch?v=retSh-XlsK0
To enable UEFI Secure Boot on VMware ESXi 6.5.x for Dell's 13th generation of PowerEdge server	www.youtube.com/watch?v=LI9qIF9qV9I

Documentation resources

This section provides information about the documentation resources for your server.

Table 14. Additional documentation resources for your server

Task	Document	Location
Setting up your server	For information about installing the server into a rack, see theRack documentation included with your rack solution Or the <i>Getting Started With Your System</i> document that is shipped with your server.	Dell.com/poweredgemanuals
	For information about turning on the server and the technical specifications of your server, see the <i>Getting Started With Your System</i> document that is shipped with your server.	Dell.com/poweredgemanuals
Configuring your server	For information about the iDRAC features, configuring and logging in to iDRAC, and managing your server remotely, see the Integrated Dell Remote Access Controller User's Guide.	Dell.com/idracmanuals
	For information about installing the operating system, see the operating system documentation.	Dell.com/operatingsystemmanuals
	For information about understanding Remote Access Controller Admin (RACADM) subcommands and supported RACADM interfaces, see the RACADM Command Line Reference Guide for iDRAC.	Dell.com/idracmanuals
	For information about updating drivers and firmware, see the	Dell.com/support/drivers

Task	Document	Location
Managing your server	Methods to download firmware and drivers section in this document.	
	For information about servers management software offered by Dell EMC, see the Dell EMC OpenManage Systems Management Overview Guide.	Dell.com/openmanagemanuals
	For information about setting up, using, and troubleshooting OpenManage, see the Dell EMC OpenManage Server Administrator User's Guide.	Dell.com/openmanagemanuals
	For information about installing, using, and troubleshooting Dell EMC OpenManage Essentials, see the Dell EMC OpenManage Essentials User's Guide.	Dell.com/openmanagemanuals
	For information about installing and using Dell EMC System E-Support Tool (DSET), see the Dell EMC System E-Support Tool (DSET) User's Guide.	Dell.com/DSET
	For information about installing and using Active System Manager (ASM), see the Active System Manager User's Guide.	Dell.com/asmdocs
	For understanding the features of Dell EMC Lifecycle Controller (LC), see the Lifecycle Controller User's Guide.	Dell.com/idracmanuals
	For information about partner programs enterprise systems management, see the OpenManage Connections Enterprise Systems Management documents.	Dell.com/omconnectionsenterprisesystemsmanagement
	For information about connections and client systems management, see the OpenManage Connections Client Systems Management documentation.	Dell.com/dellclientcommandsuitemanuals
For information about viewing inventory, performing configuration, and monitoring tasks, remotely turning on or off servers, and enabling alerts for events on servers and components using the Dell EMC Chassis Management Controller (CMC), see the CMC User's Guide.	Dell.com/esmmanuals	

Task	Document	Location
Working with the Dell EMC PowerEdge RAID controllers	For information about understanding the features of the Dell EMC PowerEdge RAID controllers (PERC) and deploying the PERC cards, see the Storage controller documentation.	Dell.com/storagecontrollermanuals
Understanding event and error messages	For information about checking the event and error messages generated by the system firmware and agents that monitor server components, see the Dell EMC Event and Error Messages Reference Guide.	Dell.com/openmanagemanuals > OpenManage software

Downloading the drivers and firmware

Dell EMC recommends that you download and install the latest BIOS, drivers, and systems management firmware on your system. Ensure that you clear the web browser cache before downloading the drivers and firmware.

- 1 Go to **Dell.com/support/drivers**.
- 2 Under the **Drivers & Downloads** section, type the Service Tag of your system in the **Service Tag or Express Service Code** box, and then click **Submit**.

NOTE: If you do not have the Service Tag, select **Detect My Product** to allow the system to automatically detect your Service Tag, or under **General support**, navigate to your product.

- 3 Click **Drivers & Downloads**.
The drivers that are applicable to your selection are displayed.
- 4 Download the drivers to a USB drive, CD, or DVD.

Documentation feedback

You can rate the documentation or write your feedback on any of our Dell EMC documentation pages and click **Send Feedback** to send your feedback.