

# VMware vSphere 6 for Dell PowerEdge Systems Compatibility Matrix



# Notes, cautions, and warnings

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

 **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.

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## Overview

This document provides information about Dell-supported systems compatible with VMware ESXi 6.

## Dell PowerEdge systems—ESXi 6 compatibility matrix

Table 1. Dell-supported PowerEdge systems with ESXi 6

PowerEdge systems	Processor series	ESXi on hard drive	ESXi on flash (SD card)
M915	AMD Opteron 63xx series AMD Opteron 62xx series AMD Opteron 61xx series	ESXi 6.0	ESXi 6.0
M910	Intel Xeon E7-88xx series Intel Xeon E7-48xx series Intel Xeon E7-28xx series Intel Xeon 75xx series Intel Xeon 65xx Series	ESXi 6.0	ESXi 6.0
M820	Intel Xeon E5-46xx v2 series Intel Xeon E5-46xx series	ESXi 6.0	ESXi 6.0
M710HD	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
M710	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
FC630	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
M630	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
M620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series	ESXi 6.0	ESXi 6.0
M610x	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0

<b>PowerEdge systems</b>	<b>Processor series</b>	<b>ESXi on hard drive</b>	<b>ESXi on flash (SD card)</b>
M610	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
M520	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0
M420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0
R920	Intel Xeon E7-88xx v2 series Intel Xeon E7-48xx v2 series	ESXi 6.0	ESXi 6.0
R910	Intel Xeon E7-88xx series Intel Xeon E7-48xx series Intel Xeon 75xx series	ESXi 6.0	ESXi 6.0
R820	Intel Xeon E5-46xx v2 series Intel Xeon E5-46xx series	ESXi 6.0	ESXi 6.0
R815	AMD Opteron 63xx series AMD Opteron 62xx series AMD Opteron 61xx series	ESXi 6.0	ESXi 6.0
R810	Intel Xeon E7-88xx series Intel Xeon E7-48xx series Intel Xeon E7-28xx series Intel Xeon 75xx series Intel Xeon 65xx series	ESXi 6.0	ESXi 6.0
R730xd	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
R730	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0

<b>PowerEdge systems</b>	<b>Processor series</b>	<b>ESXi on hard drive</b>	<b>ESXi on flash (SD card)</b>
R720xd	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series	ESXi 6.0	ESXi 6.0
R720	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series	ESXi 6.0	ESXi 6.0
R715	AMD Opteron 63xx series AMD Opteron 62xx series AMD Opteron 61xx series	ESXi 6.0	ESXi 6.0
R710	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
R630	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
R620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx Series	ESXi 6.0	ESXi 6.0
R530	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
R520	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0
R610	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
R515	AMD Opteron 43xx series AMD Opteron 42xx series AMD Opteron 41xx series	ESXi 6.0	
R430	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
R420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0
R415	AMD Opteron 43xx series AMD Opteron 42xx series AMD Opteron 41xx series	ESXi 6.0	

<b>PowerEdge systems</b>	<b>Processor series</b>	<b>ESXi on hard drive</b>	<b>ESXi on flash (SD card)</b>
R320	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series Intel Xeon E5-14xx v2 series	ESXi 6.0	ESXi 6.0
R220	Intel Xeon E3-1200-v3 series	ESXi 6.0	
T710	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
T630	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
T620	Intel Xeon E5-26xx v2 series Intel Xeon E5-26xx series	ESXi 6.0	ESXi 6.0
T610	Intel Xeon 56xx series Intel Xeon 55xx series	ESXi 6.0	ESXi 6.0
T430	Intel Xeon E5-26xx v3 series	ESXi 6.0	ESXi 6.0
T420	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0
T320	Intel Xeon E5-24xx v2 series Intel Xeon E5-24xx series	ESXi 6.0	ESXi 6.0

## Dell PowerEdge systems— SD card compatibility matrix for ESXi 6

Table 2. PowerEdge systems and USB key/SD card compatibility matrix for ESXi 6

PowerEdge Systems	I/O Controller	Manufacturer	Specification	DPN *
M915	AMD SP5100	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M910	Intel ICH-10	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M820	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M710HD	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M710	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
FC630	Intel C610	Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	37D9D
M630	Intel C610	Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	37D9D
M620	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M610x	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M610	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR

<b>PowerEdge Systems</b>	<b>I/O Controller</b>	<b>Manufacturer</b>	<b>Specification</b>	<b>DPN *</b>
M520	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
M420	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8GB SD card	GR6JR
R920	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8GB SD card	GR6JR
R910	Intel ICH-10	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R820	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R815	AMDSP5100	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R810	Intel ICH-10	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R730xd	Intel C610	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	G9917
		Dell	16 GB SD card	37D9D
R730	Intel C610	Dell	8 GB SD card	9F5K9
		Dell	16 GB SD card	GR6JR
		Dell	16 GB SD card	G9917
		Dell	16 GB SD card	37D9D
R720xd	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R720	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR

<b>PowerEdge Systems</b>	<b>I/O Controller</b>	<b>Manufacturer</b>	<b>Specification</b>	<b>DPN *</b>
R715	AMD SP5100	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R710	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R630	Intel C610	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	G9917
		Dell	16 GB SD card	37D9D
R620	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R610	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R530	Intel C610	Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	37D9D
R520	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R430	Intel C610	Dell	8 GB SD card	GR6JR
		Dell	16 GB SD card	37D9D
R420	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
R320	Intel C600	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
T710	Intel ICH-9	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
T630	Intel C610	Dell	8 GB SD card	9F5K9
		Dell	8 GB SD card	GR6JR
			16 GB SD card	G9917

<b>PowerEdge Systems</b>	<b>I/O Controller</b>	<b>Manufacturer</b>	<b>Specification</b>	<b>DPN *</b>
		Dell Dell	16 GB SD card	37D9D
T620	Intel C600	Dell Dell	8 GB SD card 8 GB SD card	9F5K9 GR6JR
T610	Intel ICH-9	Dell Dell	8 GB SD card 8 GB SD card	9F5K9 GR6JR
T430	Intel C610	Dell Dell	8 GB SD card 16 GB SD card	GR6JR 37D9D
T420	Intel C600	Dell Dell	8 GB SD card 8 GB SD card	9F5K9 GR6JR
T320	Intel C600	Dell Dell	8 GB SD card 8 GB SD card	9F5K9 GR6JR

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

# Dell PowerEdge Systems – RAID controller compatibility matrix

Table 3. Dell PowerEdge systems - PERC7 controllers compatibility matrix

PowerEdge Systems	R910	R815	R810	R715	R710	R610	R515	R415
PERC H700 adapter	N	N	N	N	N	N	N	N
PERC H700 integrated	Y	Y	Y	Y	Y	Y	Y	Y
PERC H700 modular 512GB NV	N	N	N	N	N	N	N	N
PERC H800	Y	Y	Y	Y	Y	Y	Y	Y
6 Gbps SAS adapter	Y	Y	Y	Y	Y	Y	Y	Y

PowerEdge Systems	M910	M710HD	M710HD	M610x	M610	T710	T610
PERC H700 adapter	N	N	N	N	N	N	N
PERC H700 integrated	N	N	N	N	N	Y	Y
PERC H700 modular 512GB NV	Y	Y	Y	Y	Y	N	N
PERC H800	N	N	N	N	N	Y	Y
6 Gbps SAS adapter	N	N	N	N	N	Y	Y

**Table 4. Dell PowerEdge systems - PERC8 controllers compatibility matrix**

<b>PowerEdge Systems</b>	<b>R920</b>	<b>R820</b>	<b>R720XD</b>	<b>R720</b>	<b>R620</b>	<b>R520</b>	<b>R420</b>	<b>R320</b>
PERC H710P adapter	N	Y	Y	Y	Y	N	N	N
PERC H710P mini monolithic	N	N	Y	Y	Y	Y	N	N
PERC H710P mini blades	N	N	N	N	N	N	N	N
PERC H710 adapter	N	Y	N	N	Y	N	N	N
PERC H710 mini monolithic	N	N	Y	Y	Y	Y	Y	Y
PERC H710 mini blades	N	N	N	N	N	N	N	N
PERC H310 adapter	N	Y	N	N	Y	Y	Y	Y
PERC H310 mini monolithic	N	N	Y	Y	Y	N	N	N
PERC H310 mini blades	N	N	N	N	N	N	N	N
PERC H810	Y	Y	Y	Y	Y	Y	Y	Y
6 Gbps SAS apdapter	N	Y	Y	Y	Y	Y	Y	Y

<b>PowerEdge Systems</b>	<b>R220</b>	<b>M620</b>	<b>M520</b>	<b>M420</b>	<b>T620</b>	<b>T420</b>	<b>T320</b>
PERC H710P adapter	N	N	N	N	Y	Y	Y
PERC H710P mini monolithic	N	N	N	N	N	N	N
PERC H710P mini blades	N	Y	Y	Y	N	N	N
PERC H710 adapter	N	N	N	N	Y	Y	Y
PERC H710 mini monolithic	N	N	N	N	N	N	N
PERC H710 mini blades	N	Y	Y	Y	N	N	N
PERC H310 adapter	Y	N	N	N	Y	Y	Y
PERC H310 mini monolithic	Y	N	N	N	N	N	N
PERC H310 mini blades	N	Y	Y	Y	N	N	N
PERC H810	N	N	N	N	Y	Y	Y
6 Gbps SAS adapter	N	N	N	N	Y	Y	Y

**Table 5. Dell PowerEdge systems - PERC9 controllers compatibility matrix**

<b>PowerEdge Systems</b>	<b>R920</b>	<b>R730</b>	<b>R730Xd</b>	<b>R630</b>	<b>T630</b>
PERC H730P adapter	Y	Y	N	Y	Y
PERC H730P mini monolithic	N	Y	Y	Y	N
PERC H730P mini blades	N	N	N	N	N
PERC H730 adapter	N	N	N	Y	Y
PERC H730 mini monolithic	N	Y	Y	Y	N
PERC H730 mini blades	N	N	N	N	N
PERC H330 adapter	N	N	N	Y	Y
PERC H330 mini monolithic	N	Y	Y	Y	N
PERC H330 mini blades	N	N	N	N	N
PERC H830	N	Y	Y	Y	Y
12 Gbps SAS HBA adapter	N	Y	Y	Y	Y

**Legend**

Y- Supported

N- Not supported




## Dell PowerEdge systems—VMware vCenter server compatibility matrix

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

For more information about Dell PowerEdge systems compatibility with supported OSs, see the *Operating Systems Support Matrix for Dell PowerEdge Systems* at [dell.com/ossupport](https://www.dell.com/ossupport).

# Getting help

## Related information

-  **NOTE:** For Dell VMware documentation, see [dell.com/virtualizationsolutions](http://dell.com/virtualizationsolutions).
-  **NOTE:** For Dell OpenManage documentation, see [dell.com/openmanagemanuals](http://dell.com/openmanagemanuals).
-  **NOTE:** For all PowerEdge documentation, go to [dell.com/poweredgemanuals](http://dell.com/poweredgemanuals) and enter the Service Tag of your system to get your system documentation.

Your product documentation at [dell.com/virtualizationsolutions](http://dell.com/virtualizationsolutions) includes the following:

**Table 6. Related information**

For information about	See
Basic configuration information for running ESXi for a PowerEdge system.	<i>VMware vSphere for Dell PowerEdge Systems Getting Started Guide</i>
Resolutions for known issues and defects	<i>VMware vSphere for Dell PowerEdge Systems Release Notes</i>
vMotion support matrix for Dell PowerEdge systems	<i>VMware vMotion Support for Dell PowerEdge Systems Compatibility Matrix</i>
Installation Instructions and Important Information	<i>VMware ESXi 6.0 for Dell PowerEdge Systems Installation Instructions and Important Information Guide</i>
vSphere support matrix for Dell hardware and software running ESXi	<i>VMware vSphere for Dell PowerEdge Systems Compatibility Matrix</i>
List of components integrated in Dell Customized ESXi Images	<i>VMware ESXi for Dell PowerEdge Systems Image Customization Information</i>

## Technical support resources

- [vmware.com/support](http://vmware.com/support)
- [dell.com/support](http://dell.com/support)
- [dell.com/services](http://dell.com/services)

## Discussion forums

- [vmware.com/communities/content](http://vmware.com/communities/content)
- [en.community.dell.com/techcenter/virtualization/w/wiki/vmware.aspx](http://en.community.dell.com/techcenter/virtualization/w/wiki/vmware.aspx)

- [dellcommunity.com](http://dellcommunity.com)

## Knowledge base

[vmware.com/support/kb](http://vmware.com/support/kb)

## Contacting Dell

Dell provides several online and telephone-based support and service options. If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer-service issues:

1. Go to **dell.com/support**.
2. Select your country from the drop-down menu on the bottom 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.