

PowerEdge R6515 Information Update - Tech Sheet

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.

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Overview

The information in this document supersedes the information in the pertinent sections of the Installation and Service Manual, BIOS and UEFI Reference Guide, and Technical Specifications.

For a complete list of information, see the documents available at <https://www.dell.com/poweredgemanuals>.

Topics:

- [Revision history](#)

Revision history

This section provides a description of document changes.

Table 1. Document Revision history

Document Revision	Date	Description of changes
1	November, 2022	<ol style="list-style-type: none">1. NVME storage capacity update2. Updated expansion card installation guidelines

Information Update

Topics:


- [Expansion card installation guidelines](#)

Expansion card installation guidelines

The following table describes the supported expansion cards:

Table 2. Expansion card riser configurations

Expansion card riser	PCIe slots on the riser	Processor connection	Height	Length	Slot width
No riser	Slot 1	Processor 1	NA	NA	x8
Riser 1A	Slot 2	Processor 1	Low Profile	Half Length	x16
Riser 2	Slot 3	Processor 1	Low Profile	Half Length	x16

 **NOTE:** The expansion-card slots are not hot-swappable.

The following table provides guidelines for installing expansion cards to ensure proper cooling and mechanical fit. The expansion cards with the highest priority should be installed first using the slot priority indicated. All the other expansion cards should be installed in the card priority and slot priority order.

Table 3. No riser configuration (Slot 1)

Card type	Slot priority	Maximum number of cards
PERC 9: Mini mono (H730P/H330)	Integrated slot	1
PERC 10: Mini mono (H740P)	Integrated slot	1
PERC 11: Mini mono (H350)	Integrated slot	1
PERC 11: Mini mono (HBA350i)	Integrated slot	1
HBA: Mini mono (HBA330)	Integrated slot	1
LOM riser (2x1 G)/(2x10 G)/(2x25 G)	1	1

Table 4. Riser configuration (include slots 1 and 3)

Card type	Slot priority	Maximum number of cards
PERC 9: Mini mono (H730P/H330)	Integrated slot	1
PERC 10: Mini mono (H740P)	Integrated slot	1
PERC 11: Mini mono (H350)	Integrated slot	1
PERC 11: Mini mono (HBA350i)	Integrated slot	1
PERC 10: External adapter (H840)	3	1
PERC 10: External adapter (H840) (FH or LP)	3	1
PERC 11: External adapter (HBA355E)	3	1

Table 4. Riser configuration (include slots 1 and 3) (continued)

Card type	Slot priority	Maximum number of cards
HBA: External adapter	3	1
NVME PCIE SSD	3	1
Broadcom (1 G QP)	3	1
Broadcom (10 G DP)	3	1
Broadcom (25 G DP)	3	1
Intel 10 G (BaseT DP)	3	1
Intel 10 G (SFP+ DP)	3	1
Intel 1 G (QP)	3	1
Intel 25 G (SFP DP)	3	1
Emulex (HBA: FC64 LP)	3	1
Emulex (FC32 2P/1P)	3	1
Emulex (FC16 1P)/(FC16 2P)	3	1
Emulex (HBA FC32 1P S28)	3	1
Mellanox 100 G (CX5/CX6 H100)	3	1
Mellanox 25 G (CX4LX DP/CX5 DP)	3	1
Qlogic (HBA FC32 SP/DP)	3	1
Qlogic (HBA FC16 SP/DP)	3	1
HBA: CRD,CT,MRVL,LP,FC32,1P,S28,F1	3	1
Qlogic 10 G (SFP DP)	3	1
Qlogic 25 G (BaseT DP)	3	1
Internal storage (BOSS)	3	1
Nvidia T4 GPU (LP)	3	1
Solarflare 25 G (SFP DP)	3	1
LOM Riser (2x1 G)/(2x10 G)/(2x25 G)	1	1
NIC: 100Gb, CRD,NTWK,INTL,LP,100G,2P,Q29	3	1
NIC: 25Gb, CRD,NTWK,INTL,LP,25G,2P,S28	3	1
NIC: 100Gb, CRD,NTWK,BCME,LP,100G,2P,QSF	3	1
HBA: FC32, CRD,CTL,FC32,2P,LPE35002,EMX,L	3	1
HBA: FC32, CRD,CTL,EMLX,LP,1P,S28	3	1
NIC: 10Gb, CRD,NTWK,BCME,LP,10G,4P,BT	3	1
HBA: External Adapter, KIT,CRD,CTL,HBA,12GBPS-SAS	3	1

Table 5. Riser configuration (include slots 1, 2, and 3)

Card type	Slot priority	Maximum number of cards
PERC 9: Mini mono (H730P/H330)	Integrated slot	1
PERC 10: Mini mono (H740P)	Integrated slot	1
PERC 11: Mini mono (H350)	Integrated slot	1
PERC 11: Mini mono (HBA350i)	Integrated slot	1
HBA: Mini mono (HBA330)	Integrated slot	1
PERC 10: External adapter (H840)	3, 2	2
PERC 10: External adapter (H840) (FH or LP)	3, 2	2
PERC 11: External adapter (HBA355E)	3, 2	2
HBA: External adapter	3, 2	2
NVME PCIE SSD	3, 2	2
Broadcom (1 G DP/1G QP)	3, 2	2
Broadcom (10 G DP)	3, 2	2
Broadcom (25 G DP)	3, 2	2
Intel 10 G (BaseT DP)	3, 2	2
Intel 10 G (SFP+ DP)	3, 2	2
Intel 1 G (QP)	3, 2	2
Intel 25 G (SFP DP)	3, 2	2
Emulex (HBA: FC64 LP)	3, 2	2
Emulex (FC32 2P)	3, 2	2
Emulex (FC32 1P)	2, 3	2
Emulex (FC16 1P)/(FC16 2P)	3, 2	2
Mellanox 100 G (CX5/CX6 H100)	3, 2	2
Mellanox 25 G (CX4LX DP/CX5 DP)	3, 2	2
Qlogic (HBA FC32 SP/DP)	3, 2	2
Qlogic (HBA FC16 SP/DP)	3, 2	2
HBA: CRD,CTL,MRVL,FH,FC32,1P,S28	3, 2	2
Qlogic 10 G (SFP DP)	3, 2	2
Qlogic 25 G (BaseT DP)	3, 2	2
Internal Storage (BOSS)	3, 2	1
Nvidia T4 GPU	3, 2	2
Solarflare 25 G (SFP DP)	3, 2	2
CRD,NTWK,INTL,LP,100G,2P,Q28,Intel, NIC: 100Gb	3,2	2
CRD,NTWK,INTL,LP,25G,2P,S28,F1	3, 2	2
CRD,CTL,FC32,2P,LPE35002,EMX,L,Emulex, HBA: FC32	3,2	2
HBA: CRD,CTL,EMLX,LP,FC32,1P,S28	3, 2	2

Table 5. Riser configuration (include slots 1, 2, and 3) (continued)

Card type	Slot priority	Maximum number of cards
CRD,NTWK,BCME,LP,10G,4P,BT,Broadcom,NIC: 10Gb	2,3	2
KIT,CRD,CTL,HBA,12GBPS-SAS,Dell,HBA: External Adapter	3,2	2
LOM riser (2x1 G)/(2x10 G)/(2x25 G)	1	1