

**SSD7500/ 6200 /7000 Series& Motherboard PowerEdge
R630**

Compatibility Report

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1. Hardware:

a. HighPoint Product:

SSD7500 Series: 7502/7580A/7580B

SSD6200 Series: 6202/6202A

SSD7000 Series: 7202 /7180 /7184 /7120

b. Host Platform or External Device:

Dell PowerEdge R630

2. Compatibility Status:

Compatible (Boot & Data RAID)

3. Description:

Dell PowerEdge R630 workstation platforms are capable of supporting HighPoint SSD7500/ 6200 /7000 NVMe RAID controllers. SSD7000/6200 series can run out of full performance, but the SSD7500 series can only get half the performance.

The current motherboards used by Dell PowerEdge R630 utilize the Intel C610 Chipset.

The motherboard's BIOS includes UEFI support, and provides option ROM settings for UEFI and legacy devices.

4. Compatibility Details:

a. PCIe Host Interface:

Dell PowerEdge R630 supports PCIe Gen3, and provides four PCIe 3.0 x16 (x16 electrical) slots. Support low profile.

The PowerEdge R630 system supports PCI express (PCIe) generation 3 expansion cards, which must be installed on the system board by using expansion card risers. This system supports three types of expansion card risers. The following table provides detailed information about the expansion card riser specifications:

Table 20. Expansion card riser specifications

Expansion card riser	PCIe slots on the riser	Height	Length	Link
Riser 1	Slot 1	Low Profile	Half Length	x16
	Slot 2	Low Profile	Half Length	x8
Riser 2	Slot 1	Low Profile	Half Length	x8
	Slot 1	Low Profile	Half Length	x16
Riser 3	Slot 2	Full height	Three-fourth Length	x16
	Slot 3	Low Profile	Half Length	x16

NOTE: When using slot 1 on the riser, ensure that both the processors are installed on the system.

NOTE: Only a three-fourth length card is supported for the PCIe expansion card slot (slot 2) on riser 3 when no mini-PERC card is installed. Supported length with mini-PERC card installed is half length.

Reference: [Dell PowerEdge R630 Owner's Manual](#) (page 33)

b. Boot RAID Support (NVMe arrays used to boot a system):

Dell PowerEdge R630 can support bootable NVMe arrays. The BIOS appears to provide UEFI option ROM support.

Slot Disablement Enables or disables the available PCIe slots on your system. The slot disablement feature controls the configuration of PCIe cards installed in the specified slot. Slots must be disabled only when the installed peripheral card prevents booting into the operating system or causes delays in system startup. If the slot is disabled, both the Option ROM and UEFI drivers are disabled.

[Dell PowerEdge R630 Owner's Manual](#) (page44)

c. Data RAID Support (NVMe arrays used for data storage):

There are no apparent restrictions for data-only storage configurations.

5. Manufacturer Reference Material

a. Product Website:

[Support for PowerEdge R630 | Overview | Dell US](#)

b. User Guide:

[Dell PowerEdge R630 Owner's Manual](#)

6. List of PowerEdge RAID Controller (PERC) types for Dell EMC systems

No recommended product found in the user manual.