

**SSD7500/ 6200 /7000 Series& Motherboard Dell PowerEdge
R730**

Compatibility Report

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1. Hardware:

a. HighPoint Product:

SSD7500/ 6200 /7000 Series

b. Host Platform or External Device:

Dell PowerEdge R730

2. Compatibility Status:

Compatible (Boot & Data RAID)

3. Description:

Dell PowerEdge R730 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 R730 utilize the Intel C610 series 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 R730 supports PCIe Gen3, and provides two PCIe 3.0 x16 (x16 electrical) slots.

Support full height.

The PowerEdge R730 system supports PCI express (PCIe) generation 3 expansion cards, which need to be installed on the system board using expansion card risers. This system supports three types of expansion card risers. The following table provides the expansion card riser specifications:

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Table 18. Expansion card riser specifications

Expansion card riser	PCIe slots on the riser	Height	Length	Link
Riser 1	Slot 1	half-height	low-profile	x8
Riser 1	Slot 2	half-height	low-profile	x8
Riser 1	Slot 3	half-height	low-profile	x8
Riser 2	Slot 4	full-height	full-length	x16
Riser 2	Slot 5	full-height	full-length	x8
Riser 3 (alternate)	Slot 6	full-height	full-length	x16
Riser 3 (default)	Slot 6	full-height	full-length	x8
Riser 3 (default)	Slot 7	full-height	full-length	x8

NOTE: When using slots 1 through 4 on the riser, ensure that both the processors are installed on the system.

Reference: [Dell PowerEdge R730 Owner's Manual](#) (page 29)

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

Dell PowerEdge R730 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 R730 Owner's Manual](#) (page57)

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 R730 Owner's Manual](#)

[Dell-PowerEdge-R730-Spec-Sheet.pdf](#)

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

List:

RAID controllers	Internal controllers: PERC S130 (SW RAID), PERC H330, PERC H730, PERC H730P External HBAs (RAID): PERC H830 External HBAs (non-RAID): 12Gbps SAS HBA
Drive bays	Internal hard drive bay and hot-plug backplane: Up to 16 x 2.5" HDD: SAS, SATA, nearline SAS SSD: SAS, SATA Up to 8 x 3.5" HDD: SAS, SATA, nearline SAS SSD: SAS, SATA

[Dell-PowerEdge-R730-Spec-Sheet.pdf](#) (page2)

Example: SSD7204: 7.68" (W) x 4.38" (H) x 0.73" (D)

H730P Adapter: [Support for PowerEdge RAID Controller H730P | Drivers & Downloads | Dell US](#)