

## PowerEdge R450

Up to two 3<sup>rd</sup> Generation Intel® Xeon® Scalable processors with up to 32 cores per processor, air-cooled  
Support for up to 2 x 220W processors

Up to 16 x DDR4 RDIMMs (1TB max)  
Optane Persistent Memory 200 Series (Barlow Pass): No  
NVDIMM: No  
DIMM Speed: Up to 3200 MT/s

Up to 4 x 3.5" SAS/SATA HDDs  
Up to 10 x 2.5" SAS/SATA

**Internal:** IDSDM, USB and BOSS-S1 (2 x M.2) for boot  
**Bandwidth:** 12Gb/6Gb SAS, SATA 6Gb

HW RAID: PERC 10.5 & 11 (no Dual PERC option)  
HW NVMe RAID  
Chipset SATA/SW RAID: Yes

2 x 1GbE LOM + 1 x OCP 3.0

Up to 3 x PCIe Gen4 (x16/x8/x8) with SNAPI I/O option

None

**Front:** 2 x USB 2.0, 1 managed (micro-usb) + front VGA  
**Rear:** 1 x USB 3.0, 1 ports (USB 2.0) serial (option), network, iDRAC9, secondary VGA, SysID

iDRAC9 Enterprise, Datacenter license options: OpenManage Enterprise and Plugins (Power Manager, SupportAssist, and Update Manager). iDRAC Direct, Quick Sync 2.0

Hot Plug/RAID controlled drives, Cold plug fans, PSU, IDSDM and (non-hot-plug) BOSS-S1 (2 x M.2) for boot

700W, 1100W, -48Vdc/ 1100W, 1400W

H x W x D: 1U x 434mm x 698mm (2.5" drives) or 749mm (3.5" drives)

1U Rack Server

## PowerEdge R660xs

Up to two 4<sup>th</sup> Generation Intel® Xeon® Scalable processors with up to 32 cores per processor, air-cooled  
Support for up to 2 x 250W processors

Up to 16 x DDR5 RDIMMs (1TB max)  
NVDIMM: No  
DIMM Speed: Up to 4800 MT/s

Up to 4 x 3.5" SAS/SATA / ChipSATA  
Up to 8 x 2.5" SAS/SATA HDD/SSDs  
Up to 10 x 2.5" SAS/SATA HDD/SSDs or NVMe SSDs  
**Rear:** 2 x 2.5" SAS / SATA / NVMe w/ NVMe RAID (PERC 11 & 12)  
**Internal:** USB and Internal BOSS-N1 (2 x M.2 NVMe) for boot. **No IDSDM**

SATA / SAS / NVMe / RAID (PERC 11 & 12)  
SAS3 and SAS4  
Chipset SATA/SW RAID: Yes

2 x 1GbE LOM + 1 x OCP 3.0

Up to 3 x PCIe Gen4 (x16/x8/x8) or up to 2 x PCIe Gen5 (x16/x8)  
**No SNAPI**

None

**Front:** VGA, 1 x USB 2.0, iDRAC Direct micro-USB, ID Button & LED; QuickSync 2.0 (optional)  
**Rear:** VGA, 1 x USB 2.0, 1 x USB 3.0, Management RJ-45, 2 x LOM RJ-45, 1 x Serial (optional)  
Internal: 1 x USB 2.0

iDRAC9 Enterprise, Datacenter license options: OpenManage Enterprise and Plugins (PowerManager, SupportAssist, and Update Manager) iDRAC Direct, Quick Sync 2.0

Hot Plug/RAID controlled drives, PSU.  
**Hot-plug fans**, Internal (non-hot-plug) BOSS-N1 (2 x M.2 NVMe) for boot

600W, 700W, 800W, 1100W, -48Vdc/ 1100W, 1400W, 1800W

H x W x D: 1U x 434mm x 698mm (2.5" drives) or 749mm (3.5" drives)

1U Rack Server