DELL Technologies

PowerEdge R760xs

Best choice in balanced compute and flexible storage for the most popular IT application

Buy the performance and flexibility you need

The new Dell PowerEdge R760xs is a 2U, two-socket rack server. Buy the best fit in scalable performance and large storage capability with this purpose-built 2U system. Focused on delivering the latest technology to power the most popular applications and workloads used by businesses today, including virtual desktop infrastructure (VDI), virtual machines (VMs), and software-defined storage (SDS). All delivered in a thoughtfully crafted platform that will provide balanced compute that fits in your current infrastructure.

Easily configurable

- Add up to two 5th generation Intel® Xeon® Scalable processors with up to 28 cores and 4th generation Intel® Xeon® Scalable processors with up to 32 cores per socket for faster performance
- Accelerate in-memory workloads with up to 16 DDR5 RDIMMS up to 5200 MT/sec
- Improve data throughput and reduce latency with support up to 8 I/O device (up to available 6 PCIe slots, 1 OCP 3.0 networking slot, and 1 dedicated PERC slot)
- Storage options include up to 12x 3.5” HDDs/SSDs, or up to 16x 2.5” HDD/SSDs, plus up to 8x NVMe drives

A breeze to cool

- Thoughtfully designed to fit in your current air-cooled infrastructure
- Alleviate the worry about expensive liquid cooling retrofitting to your data center
- Synchronize your workload needs with a tailored performance configuration that is air cooled
- Minimize the carbon footprint of your data center by better matching the system power consumption with anticipated workload requirements

Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the PowerEdge lifecycle, including protected supply chain and factory-to-site integrity assurance. Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls ensure trusted operations.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell OpenManage™ systems management portfolio delivers a secure, efficient, and comprehensive solution for PowerEdge servers. Simplify, automate and centralize one-to-many management with the OpenManage Enterprise console and iDRAC.

Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the PowerEdge portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with Dell Technologies Services.

Rest easier with Dell Technologies Services

Maximize your PowerEdge Servers with comprehensive services ranging from Consulting, to ProDeploy and ProSupport suites, Data Migration and more – available across 170 locations and backed by our 60K+employees and partners.

PowerEdge R760xs

The Dell PowerEdge R760xs offers compelling performance in a right-sized system with the latest PCIe Gen 5 bandwidth and large storage capability to support:

- Virtual Desktop Infrastructure (VDI)
- Virtual Machines (VMs)
- Software-Defined Storage Node

Feature	Technical Specifications	
Processor	Up to two 5th Generation Intel Xeon Scalable processor with up to 28 cores and 4th Generation Intel Xeon Scalable processor with up to 32 cores per processor	
Memory	• 16 DDR5 DIMM slots, supports RDIMM 1.5 TB max, speeds up to 5200 MT/s, supports registered ECC DDR5 DIMMs only	
Storage controllers	• Internal Controllers: PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i, HBA465i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 1, 2 x M.2 NVMe SSDs or USB • External HBA (non-RAID): HBA355e; Software RAID: S160	
GPU Options	2 x 75 W SW, LP	
Drive Bays	Front bays: • 0 drive bay • Up to 8 x 3.5-inch SAS/SATA (HDD/SSD) max 192 TB • Up to 12 x 3.5-inch SAS/SATA (HDD/SSD) max 288 TB • Up to 8 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 122.88 TB • Up to 16 x 2.5-inch SAS/SATA (HDD/SSD) max 121.6 TB • Up to 16 x 2.5-inch (SAS/SATA) + 8 x 2.5-inch (NVMe) (HDD/SSD) max 244.48 TB	Rear bays: • Up to 2 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 30.72 TB (supported only with 12 x 3.5-inch SAS/SATA HDD/SSD configuration)
Hot swap Redundant Power Supplies	• 1800 W Titanium 200—240 VAC or 240 VDC • 1400 W Titanium 100—240 VAC or 240 VDC • 1400 W Platinum 100—240 VAC or 240 VDC • 1400 W Titanium 277 VAC or HVDC (HVDC stands for High-Voltage DC, with 336V DC) • 1100 W Titanium 100—240 VAC or 240 VDC	• 1100 W -(48V — 60V) DC • 800 W Platinum 100—240 VAC or 240 VDC • 700 W Titanium 200—240 VAC or 240 VDC • 600 W Platinum 100—240 VAC or 240 VDC
Cooling Options	• Air cooling	
Fans	• Standard (STD) fans/High performance Silver (HPR) fans/ High performance Gold (VHP) fans, Up to 6 hot swappable fans	
Dimensions and Weight	• Height – 86.8 mm (3.41 inches) • Width – 482 mm (18.97 inches)	• Depth – 707.78 mm (27.85 inches) – without bezel 721.62 mm (28.4 inches) – with bezel • Weight – Max 28.6 kg (63.0 lbs.)
Form Factor	2U rack server	
Embedded Management	• iDRAC9 • iDRAC Direct • iDRAC RESTful API with Redfish	• iDRAC Service Module • Quick Sync 2 wireless module
Bezel	Optional LCD bezel or security bezel	
OpenManage Software	• CloudIQ for PowerEdge plug in • OpenManage Enterprise • OpenManage Enterprise Integration for VMware vCenter • OpenManage Integration for Microsoft System Center	• OpenManage Integration with Windows Admin Center • OpenManage Power Manager plugin • OpenManage Service plugin • OpenManage Update Manager plugin
Mobility	OpenManage Mobile	
OpenManage Integrations	• BMC Truesight • Microsoft System Center • OpenManage Integration with ServiceNow	• Red Hat Ansible Modules • Terraform Providers • VMware vCenter and vRealize Operations Manager
Security	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secure Erase	• Secured Component Verification (Hardware integrity check) • Silicon Root of Trust • System Lockdown (requires iDRAC9 Enterprise or Datacenter) • TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ
Embedded NIC	2 x 1 GbE LOM	
Network options	1 x OCP card 3.0 (optional)	
Ports	Front Ports: • 1 x iDRAC Direct (Micro-AB USB) port, 1 x USB 2.0, 1 x VGA Internal Ports: 1 x USB 3.0 (optional)	Rear Ports • 1 x Dedicated iDRAC Ethernet port, 1 x USB 2.0, 1 x USB 3.0, 1 x VGA, 1 x Serial (optional)
PCIe	• 1 CPU Configuration: Up to 4 PCIe slots (2 x8 Gen5, 1 x16 Gen4, 1 x8 Gen4) • 2 CPU configuration: Up to 6 PCIe slots (2 x16 Gen5, 3 x16 Gen4, 1 x8 Gen4)	
Operating System and Hypervisors	• Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server	• VMware ESXi • Canonical Ubuntu Server LTS
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you.	

Discover more about PowerEdge servers

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