DELL Technologies

Specification Sheet

HAUMOUN IT PIONEERS

PowerEdge R7725

Versatility Meets Performance

The new Dell PowerEdge R7725 is designed to be the foundation of your data center. This exceptionally powerful server provides excellent performance, flexibility and low-latency storage options in an air-cooled configuration.

Breakthrough performance that scales

Delivering breakthrough performance that scales for traditional and emerging workloads, including big data analytics, AI/ML and high-performance compute (HPC), using the latest performance and density with optional acceleration. :

Striving for next-level compute

Our partnership with AMD allows us to provide customers with a powerful 2-socket 2U server that can handle a variety of workloads. The PowerEdge R7725 is perfect for high-requirement data applications with greater flexibility and multiple configuration options to suit diverse customer needs.

- Maximize performance with two AMD 5th Generation EPYC™ processors packed with 50% more cores.
- Memory density with DDR5 (up to 6 TB of RAM)* memory capacity.
- Up to 8x Gen 5 PCIe slots* and dual OCP offering flexibility to meet workload requirements.
- Support for AI workloads with up to 2 x DW*; 6 x SW GPUs*.

Energy Efficiency through consolidation*

Lower your total cost of ownership while reducing energy consumption and make the best use of existing data center space

- Smart Cooling design allows most configurations to be air-cooled
- Improved heat sinks for better thermal performance

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. The Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls safeguard trusted operations.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell OpenManage systems management portfolio tames the complexity of managing and securing IT infrastructure. Using Dell Technologies' intuitive end-to-end tools, IT can deliver a secure, integrated experience by reducing process and information silos in order to focus on growing the business. The Dell OpenManage portfolio is the key to your innovation engine, unlocking the tools and automation that help you scale, manage, and protect your technology environment.

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.

PowerEdge R7725

Dell PowerEdge R7725 supporting diverse workloads:

- Big Data Analytics
- High-performance compute (HPC)
- AI/ML

Rest easier with Dell Technologies Services

Maximize your PowerEdge Servers with comprehensive services designed to meet you wherever you are. Accelerate time to value in achieving high AI use cases with **Professional Services for AI**, choose from tailored deployment options with the **ProDeploy Suite**, receive proactive and predictive support with our **ProSupport Suite**, and so much more with our services available across 170 locations and backed by our 60K+ employees and partners.

Note: * Dell Technologies internal testing: 7:1 server consolidation based on SPEC CPU scores comparing a server from 5 years ago (PowerEdge R740 with 8280 procs) to scores for PowerEdge R7725 with 9755 procs.

*Expected to be available in the first half of 2025. Planned Offerings are subject to change and may not be released as originally designed.

Feature	Technical Specifications
Processor	Two 5th Generation AMD EPYC 9005 Series processors with up to 192 cores per processor
Memory	• 24 DDR5 DIMM slots, supports RDIMM 6 TB max*, speeds up to 6000 MT/s • Supports registered ECC DDR5 DIMMs only
Storage controllers	• Internal Controllers (RAID): PERC H365i*,H965i, H975i* • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): N/A
Drive Bays	Front bays: • 12 x 3.5-inch SAS/SATA* • 8 x 2.5-inch Universal* / 16 x 2.5-inch SAS/SATA* / 24 x 2.5-inch SAS/SATA* • 16 x 2.5-inch SAS/SATA + 8 x U.2 or 2.5-inch NVMe RAID* • 8 x EDSFF E3.S / 16 x EDSFF E3.S / 32 x EDSFF E3.S* / 40 x EDSFF E3.S*
Power Supplies	• Platinum 800W*, 1100W* • Titanium: 800W*, 1100W*, 1500W, 1500W 277Vac & HVDC*, 1800W*, 2400W*, 3200W*, 3200W 277Vac & HVDC* • Telco: 1400W -48VDC*
Cooling Options	Air cooling, Direct Liquid Cooling (DLC)*
Fans	• Up to six hot plug fans
Dimensions	• Height – 86.8 mm (3.42 inches) • Width – 482 mm (18.98 inches) • Depth – 802.4 mm (31.59 inches) with bezel 801.51 mm (31.55 inches) without bezel
Form Factor	2U rack server
Embedded Management	• iDRAC 10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI
Bezel	Optional metal bezel
OpenManage Consoles	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center
Mobility	N/A
Tools	IPMI
Integrations and Connections	OpenManage Integrations • RedHat Ansible Collections • Terraform Providers
Change Management	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*
Security	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection
GPU Options	Up to 2 x 400W DW*; Up to 6 x 75W SW*

Feature	Technical Specifications	
Ports	Front Ports • 1 x USB 2.0 Type-A (optional LCP KVM) • 1 x USB 2.0 Type-C (HOST/BMC Direct) • 1 x Mini DisplayPort (optional LCP KVM)	Rear Ports • 1 x dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA
	Internal Port • 1 x USB 3.1 Type-A	
PCIe	Up to eight PCIe slots* (x8 or x16 connector) • Slot 1: 1 x8 Gen5 Full Height* • Slot 2: 1 x16 Gen5 Full Height or 1 x8 Gen5 Full Height* or 1 x16 Dual Width Full Length* • Slot 3: 1 x16 Gen5 Full Height or Low Profile* • Slot 4: 1 x16 Gen5 Full Height* or 1 x8 Gen5 Full Height* or 1 x16 OCP3.0 • Slot 5: 1 x8 Gen5 Full Height* • Slot 7: 1 x16 Gen5 Full Height or 1 x8 Gen5 Full Height* or 1 x16 Dual Width Full Length* • Slot 8: 1 x16 Gen5 Full Height* or 1 x8 Gen5 Full Height* • Slot 9: 1 x16 Gen5 Full Height or Low Profile*	
Gen5 PCIe slots	8*	
OCP Network options	• 2 x OCP NIC 3.0 card (optional) and 1GbE*, 10GbE*, 25GbE, 100GbE and 400GbE* • Slot 4: 1 x16 Gen5 second OCP 3.0 • Slot 10: 1 x16 Gen5 OCP3.0	
Embedded NIC	1 Gb dedicated BMC Ethernet port	
PCIe Add-in Card (AIC) NIC	100 GbE and 400GbE*; NDR VPI (400GbE)*; FC 32 / 64*	
Operating System and Hypervisors	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • VMware ESXi For specifications and interoperability details, see **Dell.com/OSsupport**.	
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. For more information, visit **Dell.com/OEM**.	

Note: From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you with our OEMR platforms, while XL platforms provide extended transitions and stability for OEM Solutions customers. For more information, visit Dell.com -> Solutions -> OEM Solutions.

APEX on Demand

APEX Flex on Demand Acquire the technology you need to support your changing business with payments that scale to match actual usage. For more information, visit

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November 2024