

Specification Sheet



PowerEdge R7625

Breakthrough performance

The new Dell PowerEdge R7625 is a 2U, dual-socket rack server. Designed to be the backbone of your data center, this extremely powerful server provides ample performance and flexible, low-latency storage options in an air or Direct Liquid Cooled (DLC)* configuration.

Stay ahead of the curve

Delivering breakthrough innovation for traditional and emerging workloads, including high performance compute (HPC), virtual desktop integration (VDI) and virtualization, using the latest performance and density with optional acceleration.

Extreme performance in a platform that grows with your business

- Using AMD EPYC 4th generation processor to deliver up to 50% more core count per single socket platform in an innovative air or liquid-cooled* chassis.
- Enables DDR5 at 4800 MT/s memory and PCIe Gen5 with double the speed of previous Gen4 for faster access and transport of data optimizing application output.
- Optional DLC* is available to more efficiently cool high-performance processors.

Experience more virtual machine density to support the most demanding applications

- Deliver more virtual machines per physical host using increased core count and higher memory footprint than previous generations.
- Improve responsiveness or reduce app load time for power users with up to 6x single-wide full-length or 2x double-wide full-length GPUs.

Expect increased expandability by storing more data in one server, saving space in your datacenter

- Scale your storage using up to 33% more E3.S NVMe drives* and reduce your carbon footprint.
- Deliver more memory density with DDR5 (up to 3 TB* of RAM) providing greater memory capacity.
- Support lower latency higher performance NVMe SSD in a hardware RAID solution helps maximize compute 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. 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 an autonomous infrastructure

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 R7625

The Dell PowerEdge R7625 is a 2U rack Server that easily expands and is ideal for traditional and emerging workloads like:

- High Performance Compute (HPC)
- Virtual Desktop Integration (VDI)
- Data Analytics

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Storage controllors Internal Boots Doors Disks PERCH 1755, PERCH	Processor	2 x AMD EPYC 4th Generation 9004 Series with up to 96 cores per processor
Informat Controllers (PAID) PERC NIFOS PER	Memory	 24 DDR5 DIMM slots, supports RDIMM 3 TB* max, speeds up to 4800 MT/s
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Paris Circuit Cooling (PLC)* Note: DLC is a rack solution and requires rack manifolds and a cooling distribution unit (CDU) to operate. High performance Silver (HRP) fans High performance Gold (VHP) fans Up to 6 hot plug fans Heigh 1–86.8 mm (3.41 inches) Width - 482 mm (18.07 inches) Width - 482 mm (18.0	Cooling Options	
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Embedded NIC 2 x 1GbE LOM card (optional) 1 x OCP card 3.0 (optional) Note: The system allows either LOM card or an OCP card or both to be installed in the system.		
Network Options 1 x OCP card 3.0 (optional) Note: The system allows either LOM card or an OCP card or both to be installed in the system.	Embedded NIC	
Note: The system allows either LOM card or an OCP card or both to be installed in the system.	Network Options	
GPU Options Up to 2 x 300 W DW or 6 x 75 W SW		
	GPU Options	Up to 2 x 300 W DW or 6 x 75 W SW

Feature	Technical Specifications		
Ports	Front Ports 1 x iDRAC Direct (Micro-AB USB) port 1 x USB 2.0 1 x VGA Internal Ports	Rear Ports 1 x Dedicated iDRAC ethernet port 1 x USB 2.0 1 x USB 3.0 1 x Serial (optional) 1 x VGA (optional for Direct Liquid Cooling configuration*)	
PCle	 1 x USB 3.0 (optional) Up to eight PCIe slots: Slot 1: 1 x8 Gen5 or 1 x8 Gen4 Full height, Half length Slot 2: 1 x8/1 x16 Gen5 or 1 x8 Gen4 Full height, Half length or 1 x16 Gen5 Full height Full length Slot 3: 1 x16 Gen4 Low profile, Half length Slot 4: 1 x8 Gen4 Full height, Half length Slot 5: 1 x8 Gen4 Full height, Half length or 1 x16 Gen4 Full height, Full length Slot 6: 1 x16 Gen4 Low profile, Half length Slot 7: 1 x8/1 x16 Gen5 or 1 x8 Gen4 Full height, Half length or 1 x16 Gen5 Full height, Full length Slot 8: 1 x8 Gen5 or 1 x8 Gen4 Full height, Half length 		
Operating System and Hypervisors	 Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux SUSE Linux Enterprise Server 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 > Solutions > OEM Solutions.		

^{*}Future releases will include DLC, additional capacities, and form factors.

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