PowerEdge R7615

Powerful performance per investment dollar

The new Dell PowerEdge R7615 is a 2U, single-socket rack server. Designed to be the best investment per dollar for your data center, this server provides performance and flexible, low-latency storage options in an air or Direct Liquid Cooling (DLC) configuration.

Stay ahead of the curve

Delivering breakthrough innovation for traditional and emerging workloads, including software-defined storage, data analytics,and virtualization using the latest performance and density with optional acceleration.

Invest wisely 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-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 6 x single-wide full-length GPUs or 3 x double-wide full-length GPUs.

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

- Deliver more memory density with DDR5 (up to 3 TB of RAM) providing greater memory capacity per socket.
- 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 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.

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The Dell PowerEdge R7615 Rack Server is a highly scalable Single-socket 2U rack server that delivers performance and outstanding TCO. It is ideal for the following workloads and applications:

- Software-Defined Storage (SDS)
- Virtualization
- Data Analytics

Feature	Technical Specifications
Processor	One 4th Generation AMD EPYC 9004 Series processor with up to 128 cores per processor
Memory	• 12 DDR5 DIMM slots, supports RDIMM 3 TB max, speeds up to 4800 MT/s • Supports registered ECC DDR5 DIMMs only
Storage controllers	• Internal Controllers: PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSDs or USB • External HBA (non-RAID): HBA355e • Software RAID: S160
Drive Bays	Front bays: • Up to 8 x 3.5-inch SAS/SATA (HDD/SSD) max 160 TB • Up to 12 x 3.5-inch SAS/SATA (HDD/SSD) max 240 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/NVMe (HDD/SSD) max 245.76 TB • Up to 24 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 368.64 TB • Up to 8 x EDSFF E3.S Gen5 NVMe (SSD) max 61.44 TB • Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 122.88 TB • Up to 32 x EDSFF E3.S Gen5 NVMe (SSD) max 245.76 TB Rear bays: • Up to 2 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 30.72 TB • Up to 4 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 61.44 TB • Up to 4 x EDSFF E3.S Gen5 NVMe (SSD) max 30.72 TB
Power Supplies	• 2400 W Platinum 100—240 VAC or 240 HVDC, hot swap redundant • 1800 W Titanium 200—240 VAC or 240 HVDC, hot swap redundant • 1400 W Platinum 100—240 VAC or 240 HVDC, hot swap redundant • 1400 W Titanium 277 VAC or 336 HVDC, hot swap redundant • 1100 W Titanium 100—240 VAC or 240 HVDC, hot swap redundant • 1100 W LVDC -48 — -60 VDC, hot swap redundant • 800 W Platinum 100—240 VAC or 240 HVDC, hot swap redundant • 700 W Titanium 200—240 VAC or 240 HVDC, hot swap redundant
Cooling Options	• Air cooling • Optional Direct Liquid Cooling (DLC) Note: DLC is a rack solution and requires rack manifolds and a cooling distribution unit (CDU) to operate.
Fans	• High performance Silver (HPR) fans/ High performance Gold (VHP) fans • Up to 6 hot plug fans
Dimensions	• Height – 86.8 mm (3.41 inches) • Width – 482 mm (18.97 inches) • Depth – 772.13 mm (30.39 inches) with bezel 758.29 mm (29.85 inches) without bezel
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	• AMD Secure Memory Encryption (SME) • AMD Secure Encrypted Virtualization (SEV) • 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 card (optional)

Feature	Technical Specifications	
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.	
GPU Options	Up to 3 x 300 W DW or 6 x 75 W SW	
Ports	**Front Ports** • 1 x iDRAC Direct (Micro-AB USB) port • 1 x USB 2.0 • 1 x VGA	**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) • 1 x VGA (optional for Direct Liquid Cooling configuration)
	Internal Ports • 1 x USB 3.0 (optional)	
PCIe	Up to eight PCIe slots: • Slot 1: 1 x8 Gen5 Full height, Half length • Slot 2: 1 x8/1 x16 Gen5 Full height, Half length or 1 x16 Gen5 Full height, Full length • Slot 3: 1 x16 Gen5 or 1 x8/1 x16 Gen4 Low profile, Half length • Slot 4: 1 x8 Gen4 Full height, half length • Slot 5: 1 x8/1 x16 Gen4 Full height, Half length or 1 x16 Gen4 Full height, Full length • Slot 6: 1 x8/1 x16 Gen4 Low Profile, Half length • Slot 7: 1 x8/1 x16 Gen5 or 1 x16 Gen4 Full height, Half length or 1 x16 Gen5 Full height, Full length • Slot 8: 1 x8/1 x16 Gen5 Full height, Half length	
Operating System and Hypervisors	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi	
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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