DELL Technologies

Specification Sheet

Dell PowerEdge R660

Provides performance and versatility as needed to address your most demanding applications

The new Dell PowerEdge R660 is a 1U, two-socket rack server. Gain the performance you need with this full-featured enterprise server, designed to optimize even the most demanding workloads like dense database analytics and high-density virtualization.

Max Performance

- Add up to two Next Generation Intel® Xeon® Scalable or Intel® Xeon® Max processors with up to 56 cores for faster and more accurate processing performancet.
- Accelerate in-memory workloads with up to 32 DDR5 RDIMMS up to 4400 MT/sec (2DPC) or 4800 MT/sec for 1DPC (16 DDR5 RDIMMs max).
- Support for GPUs including 3 x single-wide for workloads requiring acceleration.

Air cooled at peak performance

- New Smart Flow chassis optimizes airflow to support the highest core count CPUs in an air-cooled environment within the current IT infrastructure.
- Support for up to 8 x 2.5” drives and 2 x 350 watt processors.

Gain agility

- Achieve maximum efficiency with multiple chassis designs that tailor to your desired workloads and business objectives.
- Storage options include up to 8 x 2.5” NVMe/SAS4/SATA, plus up to 10 x 2.5” NVMe/SAS4/SATA, 14/16 x NVME E3.S Gen5.
- Multiple Gen4 and Gen5 riser configurations (up to 3 x PCIe slots) with interchangeable components that seamlessly integrate to address customer needs over time.

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 R660

The Dell PowerEdge R660 offers powerful performance in a purpose-built, cyber resilient, mainstream server. Ideal for:

- High Density Virtualization
- Dense Database Analytics
- Mixed Workload Standardization

Feature	Technical Specifications
Processor	Up to two 4th Generation Intel Xeon Scalable or Intel Xeon Max processors, with up to 56 cores and optional Intel® QuickAssist Technology.
Memory	• 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 4800 MT/s • Supports registered ECC DDR5 DIMMs only
Storage controllers	• Internal Controllers (RAID): PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i • External Controller: PERC H965e • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSD drives, or USB • External HBAs (non-RAID): HBA355e • Software RAID: S160
Drive Bays	Front bays: • Up to 10 x 2.5-inch, SAS/SATA/NVMe (HDD/SSD) max 153.6 TB • Up to 8 x 2.5-inch, SAS/SATA/NVMe, (HDD/SSD) max 122.88 TB • Up to 14 x EDSFF E3.S Gen5 NVMe (SSD) max 179.2 TB • Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 204.8 TB Rear bays: • Up to 2 x 2.5-inch, SAS/SATA/NVMe max 30.72 TB • Up to 2 x EDSFF E3.S Gen5 NVMe (SSD) max 25.6 TB
Power Supplies	• 1800W Titanium 200—240 VAC or 240 HVDC, hot swap with full redundant • 1400W Platinum 100—240 VAC or 240 HVDC, hot swap with full redundant • 1100W Titanium 100—240 VAC or 240 HVDC, hot swap with full redundant • 1100W LVDC -48 — -60 VDC, hot swap with full redundancy • 800W Platinum 100—240 VAC or 240 HVDC, hot swap with full redundant • 700 W Titanium 200—240 VAC or 240 HVDC, hot swap with full 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	• Standard (STD) fans/High performance Gold (VHP) fans • Up to 4 sets (dual fan module) hot plug fans
Dimensions	• Height – 42.8 mm (1.68 inches) • Width – 482 mm (18.97 inches) • Depth – 822.88 mm (32.39 inches) with bezel 809.04 mm (31.85 inches) without bezel
Form Factor	1 U 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 bezell
OpenManage Software	• OpenManage Enterprise • OpenManage Power Manager plugin • OpenManage Service plugin • OpenManage Update Manager plugin • CloudIQ for PowerEdge plug in • OpenManage Enterprise Integration for VMware vCenter • OpenManage Integration for Microsoft System Center • OpenManage Integration with Windows Admin Center
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 card (optional)
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. • 1 x Managemnet Interface Card (MIC) to support Dell Data Processing Unit (DPU card) (optional) Note: The system allows either LOM card or MIC card to be installed in the system.
GPU Options	Up to 3 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	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)l
	Internal Ports • 1 x USB 3.0 (optional)	
PCIe	Up to three PCIe slots : • Slot 1 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length • Slot 2 : 1 x16 Gen5 Full height, 3/4 length, Half length or 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, Half length • Slot 3 : 1 x8/ 1 x16 Gen 5 or 1 x16 Gen 4 Low profile, 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 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.	

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: www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm.

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