

PowerEdge R6725



Versatility Meets Performance

The new Dell PowerEdge R6725 is designed to be the foundation of your data center. This powerful server provides excellent performance, low-latency storage options and compute density in an air-cooled configuration.

Breakthrough performance density

Delivering breakthrough performance density with multiple configuration options for traditional and emerging workloads including AI, high-performance compute (HPC), virtual desktop integration (VDI) and dense virtualization.

Striving for next-level compute

Our partnership with AMD allows us to provide customers with a powerful 2-socket 1U server that can handle a variety of workloads. The PowerEdge R6725 offers great flexibility with multiple configuration options to suit diverse customer needs.

- Maximize performance with two AMD 5th Generation EPYC™ processors.
- Memory density with DDR5 (up to 3 TB of RAM)* memory capacity.
- Up to 3 x Gen 5 PCIe slots* and dual OCP offering flexibility to meet workload requirements.

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 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.

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

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Dell PowerEdge R6725 is ideal for a variety of workloads:

- High-performance compute (HPC)
- Virtual desktop integration (VDI)
- Dense virtualization
- Artificial Intelligence (AI)

*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 5 th Generation AMD EPYC 9005 Series processors with up to 192 cores per processor* |
| Memory | <ul style="list-style-type: none"> 24 DDR5 DIMM slots, supports RDIMM 3 TB max*, speeds up to 6000 MT/s Supports registered ECC DDR5 DIMMs only |
| Storage controllers | <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 4 x 3.5-inch SAS/SATA* 8 x 2.5-inch Universal or U.2* / 10 x 2.5-inch SAS/SATA* 10 x 2.5-inch with 4 x Universal* 8 x EDSFF E3.S / 16 x EDSFF E3.S* / 20 x EDSFF E3.S + Rear 2 x EDSFF E3.S* |
| Power Supplies | <ul style="list-style-type: none"> Platinum 800 W*, 1100 W* Titanium: 800 W*, 1100 W*, 1500 W, 1500 W 277VAC & HVDC*, 1800 W* Telco: 1400 W -48VDC* |
| Cooling Options | Air cooling, Direct Liquid Cooling (DLC)* |
| Fans | <ul style="list-style-type: none"> Up to four sets (dual fan module) hot plug fans |
| Dimensions | <ul style="list-style-type: none"> Height – 42.8 mm (1.68 inches) Width – 482 mm (18.97 inches) Depth – 816.921 mm (32.16 inches) with bezel – 815.141 mm (32.09 inches) without bezel |
| Form Factor | 1U rack server |
| Embedded Management | <ul style="list-style-type: none"> iDRAC10 iDRAC Direct iDRAC RESTful API with Redfish Racadm CLI |
| Bezel | Optional Metal Bezel |
| OpenManage Consoles | <ul style="list-style-type: none"> OpenManage Enterprise (OME) OME Power Manager OME Services OME Update Manager OME APEX AIOps Observability <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> RedHat Ansible Collections Terraform Providers |
| Change Management | <ul style="list-style-type: none"> Dell Repository Manager Dell System Update Enterprise Catalogs Server Update Utility (SUU)* |
| Security | <ul style="list-style-type: none"> Cryptographically signed firmware Data at Rest Encryption (SEDs with local or external key mgmt) Secure Boot Secured Component Verification (Hardware integrity check) <ul style="list-style-type: none"> Secure Erase Silicon Root of Trust System Lockdown TPM 2.0 FIPS, CC-TCG certified Chassis Intrusion Detection |
| GPU Options | Up to 3 x 75 W SW* |

| Feature | Technical Specifications | |
|----------------------------------|--|---|
| Ports | Front Ports <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 1 x 1 Gb dedicated BMC Ethernet port 2 x USB 3.1 Type-A 1 x VGA |
| | Internal Port <ul style="list-style-type: none"> 1 x USB 3.1 Type-A | |
| PCIe | Up to three PCIe slots* (x16 connector) <ul style="list-style-type: none"> Slot 1: 1 x16 Gen5 Full Height* or Low Profile Slot 2: 1 x16 Gen5 Low Profile* or 1 x16 OCP3.0 Slot 4: 1 x16 Gen5 Full Height* or Low profile | |
| Gen5 PCIe slots | 3* | |
| OCP Network options | 2 x OCP card 3.0 (optional) and 1GbE*, 10GbE*, 25GbE, 100GbE and 400GbE* <ul style="list-style-type: none"> Slot 2: 1 x16 Gen5 OCP 3.0 Slot 5: 1 x16 Gen5 OCP 3.0 | |
| 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 | <ul style="list-style-type: none"> 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.

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