



# PowerEdge R7715

## Versatility meets performance

Invest in a future-proof server for the data center that scales dynamically to push the limits of demanding applications, driving a faster return on investment.

### Faster return when investing in the future of your business

The PowerEdge R7715 server is a single-socket optimized solution designed to deliver high performance, flexibility, and efficiency for a variety of applications. It is powered by 5th generation AMD EPYC™ processors and offers cutting-edge features that dynamically scale to push the upper limits of application performance.

### Next level compute in your data center

Our partnership with AMD allows us to provide customers with a powerful 2U server that can handle a variety of multi-core workloads.

- The 5th generation AMD EPYC™ processor in the PowerEdge R7715 offers up to two-times better performance compared to previous generations
- With dual OCP and DDR5 memory support, efficiently address I/O and richer storage needs in a single-socket design

### New configuration options for targeted workloads

The PowerEdge R7715 offers great flexibility with multiple configuration options to suit diverse customer needs.

- With support for up to 8 PCIe slots\* in a generous 2U form factor, it can easily adapt to different workload requirements.
- An ideal choice for businesses looking for a versatile server that can grow with their evolving needs.

### Efficiency plus greater rate of consolidation

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

- SmartCooling 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 you can build a secure, integrated experience by reducing process and information silos and 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 R7715

Highest density per core ideal for:

- Virtualization lower licensing costs
- Hyper-Converged Infrastructure (HCI)

## 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.

\*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	One 5th Generation AMD EPYC 9005 Series processor with up to 160 cores per processor*				
Memory	<ul style="list-style-type: none"> <li>24 DDR5 DIMM slots, supports RDIMM 6 TB max*, speeds up to 5200 MT/s</li> <li>Supports registered ECC DDR5 DIMMs only</li> </ul>				
Storage controllers	<ul style="list-style-type: none"> <li>Internal Controllers (RAID): PERC H365i*, H965i, H975i*</li> <li>Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS)</li> <li>External HBAs (non-RAID): N/A</li> </ul>				
Drive Bays	Front bays: <ul style="list-style-type: none"> <li>2 x U.2*</li> <li>12 x 3.5-inch SAS/SATA*</li> <li>8 x 2.5 Universal* / 16 x 2.5-inch SAS/SATA / 24 x 2.5-inch SAS/SATA*</li> <li>16 x 2.5-inch SAS/SATA SSD + 8 x U.2 NVMe drives</li> <li>8 x EDSFF E3.S* / 16 x EDSFF E3.S / 32 x EDSFF E3.S* / 40 x EDSFF E3.S*</li> </ul>				
Power Supplies*	<ul style="list-style-type: none"> <li>Platinum 800W*, 1100W*</li> <li>Titanium: 800W*, 1100W*, 1500W, 1500W 277Vac &amp; HVDC*, 1800W*, 2400W*, 3200W*, 3200W 277Vac &amp; HVDC*</li> <li>Telco: 1400W -48VDC*</li> </ul>				
Cooling Options*	Air cooling, Direct Liquid Cooling (DLC)*				
Fans	<ul style="list-style-type: none"> <li>Up to six hot plug fans</li> </ul>				
Dimensions	<ul style="list-style-type: none"> <li>Height – 86.8 mm (3.41 inches)</li> <li>Width – 482.0 mm (18.97 inches)</li> <li>Depth – 802.4 mm (31.59 inches) with bezel 801.51 mm (31.55 inches) without bezel</li> </ul>				
Form Factor	2U rack server				
Embedded Management	<ul style="list-style-type: none"> <li>iDRAC 10</li> <li>iDRAC Direct</li> <li>iDRAC RESTful API with Redfish</li> <li>Racadm CLI</li> </ul>				
Bezel	Optional metal bezel				
OpenManage Consoles	<ul style="list-style-type: none"> <li>OpenManage Enterprise (OME)</li> <li>OME Power Manager</li> <li>OME Services</li> <li>OME Update Manager</li> <li>OME APEX AIOps Observability</li> <li>OME Integration for VMware vCenter (with VMware Aria Operations)</li> <li>OpenManage Integration for Microsoft System Center</li> <li>OpenManage Integration for Windows Admin Center</li> </ul>				
Mobility	N/A				
Tools	IPMI				
OpenManage Integrations	<ul style="list-style-type: none"> <li>RedHat Ansible Collections</li> <li>Terraform Providers</li> </ul>				
Change Management	<ul style="list-style-type: none"> <li>Dell Repository Manager</li> <li>Dell System Update</li> <li>Enterprise Catalogs</li> <li>Server Update Utility (SUU)*</li> </ul>				
Security	<ul style="list-style-type: none"> <li>Cryptographically signed firmware</li> <li>Data at Rest Encryption (SEDs with local or external key mgmt)</li> <li>Secure Boot</li> <li>Secured Component Verification (Hardware integrity check)</li> <li>Secure Erase</li> <li>Silicon Root of Trust</li> <li>System Lockdown</li> <li>TPM 2.0 FIPS, CC-TCG certified</li> <li>Chassis Intrusion Detection</li> </ul>				
GPU Options	Up to 3x 400W* DW; Up to 6x 75W SW*				
Ports	<table border="0"> <tr> <td> <b>Front Ports</b> <ul style="list-style-type: none"> <li>1 x USB 2.0 Type-A (optional LCP KVM)</li> <li>1 x USB 2.0 Type-C (HOST/BMC Direct)</li> <li>1 x Mini DisplayPort (optional LCP KVM)</li> </ul> </td> <td> <b>Rear Ports</b> <ul style="list-style-type: none"> <li>1 x 1 Gb Dedicated BMC Ethernet port</li> <li>2 x USB 3.1 Type-A</li> <li>1 x VGA</li> </ul> </td> </tr> <tr> <td colspan="2"> <b>Internal Port</b> <ul style="list-style-type: none"> <li>1 x USB 3.1 Type-A</li> </ul> </td> </tr> </table>	<b>Front Ports</b> <ul style="list-style-type: none"> <li>1 x USB 2.0 Type-A (optional LCP KVM)</li> <li>1 x USB 2.0 Type-C (HOST/BMC Direct)</li> <li>1 x Mini DisplayPort (optional LCP KVM)</li> </ul>	<b>Rear Ports</b> <ul style="list-style-type: none"> <li>1 x 1 Gb Dedicated BMC Ethernet port</li> <li>2 x USB 3.1 Type-A</li> <li>1 x VGA</li> </ul>	<b>Internal Port</b> <ul style="list-style-type: none"> <li>1 x USB 3.1 Type-A</li> </ul>	
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Feature	Technical Specifications
PCIe	Up to eight PCIe slots* (x16 connectors) <ul style="list-style-type: none"> <li>Slot 1: 1 x16 Gen5 Full Height*</li> <li>Slot 2: 1 x16 Gen5 Full Height* or 1 x16 Dual Width Full Length*</li> <li>Slot 3: 1 x16 Gen5 Full Height* or Low Profile*</li> <li>Slot 4: 1 x16 Gen5 Full Height* or 1 x16 Dual Width Full Length* or 1 x16 OCP3.0</li> <li>Slot 5: 1 x16 Gen5 Full Height*</li> <li>Slot 7: 1 x16 Gen5 Full Height or 1 x16 Dual Width Full Length*</li> <li>Slot 8: 1 x16 Gen5 Full Height*</li> <li>Slot 9: 1 x16 Gen5 Full Height or Low Profile*</li> </ul>
Gen5 PCIe slots:	Up to 8*
OCP network options	2 x OCP NIC 3.0 card (optional) and 1GbE*, 10GbE*, 25GbE, 100GbE and 400GbE* <ul style="list-style-type: none"> <li>Slot 4: 1 x16 Gen5 OCP3.0</li> <li>Slot 10: 1 x16 Gen5 OCP3.0</li> </ul>
Embedded NIC	<ul style="list-style-type: none"> <li>1 Gb dedicated BMC Ethernet port</li> </ul>
PCIe Add-in Card (AIC) NIC	<ul style="list-style-type: none"> <li>100 GbE and 400GbE*; NDR VPI (400GbE)*; FC 32 / 64*</li> </ul>
Operating System and Hypervisors	<ul style="list-style-type: none"> <li>Canonical Ubuntu Server LTS</li> <li>Microsoft Windows Server with Hyper-V</li> <li>RedHat Enterprise Linux</li> <li>VMware ESXi</li> </ul> <p>For specifications and interoperability details, see <a href="https://Dell.com/OSsupport">Dell.com/OSsupport</a>.</p>
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 <a href="https://Dell.com/OEM">Dell.com/OEM</a> .

**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](https://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 [www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm](https://www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm)

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