D&LLTechnologies

Specification Sheet



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 factoryto-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.

*Feature not available at product launch in June, 2025. Please refer to the product configurator page on Dell.com to confirm feature availability.

Processor One 5th Centration AMD EPVC 2005 Selfes processor with up to 160 cores per processor demony - 24 DDRS DIMM sols, supports RDMM only storpper controllers - Internal Controllers (RAID): PERC H368, H466, H4975) storpper controllers - Internal Controllers (RAID): PERC H368, H466, H4975) Dive Bays - External H464 (non-RAUD): HEAAdSe Diverse - 2 x U 2 Storpper Control xs: - 2 x U 2 - 2 x U 2 - 3 x U 2 x U 2 - 2 x U 2 - 2 x U 2 - 2 x U 2 - 3 x U 2 V 10 x U 2 VVV de drives - 2 x U 2 - 3 x U 2 VVV de drives - 3 x U 2 X 10 x U 2 VVV de drives - 3 x U 2 VVV de drives - 3 x U 2 VV - 1000V - 7 Toolow, 1500V 277Vac & HVDC', 1500V, 2400V*, 240V*, 240V*, 240V*, 24	Feature	Technical Specifications	
demory 24 DDR5 DDMM slots, supports RQIMM 6 TB max, speeds up to 5200 MT/s Storage controllers Internal Controllers (RAID); FERC H365i, H957i, H1DC-MH5); Internal Boo: Boot Optimized Storage Subsystem (BOSS-M1 DC-MH5); Internal Boot: Boot Optimized Storage Subsystem (BOSS-M1 DC-MH5); Internal Boot: Boot Optimized Storage Subsystem (BOSS-M1 DC-MH5); Internal Boot: Anot Subsystem (BOSS-M1 DC-MH5); Internal Boot: M100 Subsystem (BOSS-M1 DC-M1); Internal Boot: M100 Subsystem (BOSS-M1 DC-M1); Internal Boot: M100 Subsystem (BOSS-M1 DC-M1); Internal Boot: M100 Subsystem (BOSS-M1); Internal Boot: M100 Subsystem (BOSSS-M1);	Processor		
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ans Up to six hot plug fas Jimmenions Height - 86.8 mm (3.14 inches) Width - 422.0 mm (18.97 inches) Depth - 80.24 mm (31.95 inches) with bezel Bezel 2U rack server Embedded Management JiDRAC 10 Bezel Diptack 10 Open Manage Enterprise (OME) Optional metal bezel Open Manage OpenManage Enterprise (OME) OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Sole OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Sole OME Evorer Manager OME Evorer Sole OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Manager OME Evorer Sole Delefopotory Manager <	Power Supplies	• Titanium: 800W, 1100W, 1500W, 1500W 277Vac & HVDC*, 1800W*, 2400W*, 3200W, 3200W 277Vac & HVDC*	
Dimensions+ Height - 86.8 mm (3.41 inches) • With - 42.0 mm (18.97 inches) with bezel 801.51 mm (31.55 inches) with bezel 801.51 mm (31.55 inches) without bezel 801.51 mm (31.55 inches) without bezel 801.51 mm (31.55 inches) without bezelrom Factor20 rack soverEmbedded Management- IDRAC C10 • IDRAC RESTNI /API with Redfish · Racadm CL1 • Outek Stync 2 wireless moduleazezelOptional metal bezelazezelOptional metal bezel • OME Power Manager • OME Integration for Windrows Admin Center • OME Power Manager • OME Integration for Windrows Admin Center • OpenManage Integration for Windrows Admin Center • OpenManage Integration for Windrows Admin Center • OpenManage Integration for Windrows Admin Center • Deell Repository Manager • Deell Repository Mana	Cooling Options	Air cooling, Direct Liquid Cooling (DLC)	
Dimensions: Height - 66 8 mm (3.41 inches) . With - 482.4 mm (3.15 inches) with bezel . 801.51 mm (3.15 inches) without bezelrom Factor20 track serverEmbedded Management: IDRAC CRESTMI API with Redfish . Racadm CLI . Quick Stync 2 wireless moduleGazelOptional metal bezelBazelOptional metal bezelOpenManage Consoles: OpenManage Enterprise (OME) . OME Power Manager . OME APEX AIQOs Observability . OME APEX AIQOs Observability . OME Integration for Windows Admin Center . OpenManage Integration for Windows Admin Center . Deel Repository Manager . Deel Repository Manager . Enterprise Catalogs . Ente	Fans		
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 OME Power Manager OME Services OME Update Manager OME APEX AlOps Observability OME Integration for VMware Vcenter (with VMware Aria Operations) OpenManage Integration for Vindows Admin Center Abbility OME Integration for Vindows Admin Center Abbility OME Matage Integration for Vindows Admin Center Abbility OME Manage Integration for Vindows Admin Center Abbility IPMI OpenManage Integration for Vindows Admin Center Change Manage Integration RedHat Ansible Collections Terraform Providers Terraform Providers Dell Repository Manager Dell System Update Entreprise Catalogs Server Update Utility (SUU) Secure Charge Manage Integration (SEV) AMD Secure Encrypted Virtualization (SEV) AMD Secure Encrypted Virtualization (SEV) AMD Secure Encryption (SME) Cryptographically signed firmware Data at Rest Encryption (SEDs with local or external key mgmt) Secure Boot Secure Boot Secure Boot Secure Boot Secure Encrypted Virtualization (Hardware integrity check) Secure Ences Silicon Root of Trust System Lockdown TPM 2.0 FIPS, CC-TCG certified Chassis Intrusion Detection 	Bezel		
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	GPU Options	Up to 3x 450W DW; Up to 6x 75W SW	

Feature	Technical Specifications		
Ports	Front Ports 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) Internal Port 1 x USB 3.1 Type-A 	 Rear Ports 1 x 1 Gb Dedicated BMC Ethernet port 2 x USB 3.1 Type-A 1 x VGA 	
PCle	Up to eight PCIe slots (x16 connectors) Slot 1: 1 x16 Gen5 Full Height Slot 2: 1 x16 Gen5 Full Height or 1 x16 Dual Width Full Length Slot 3: 1 x16 Gen5 Full Height or Low Profile Slot 4: 1 x16 Gen5 Full Height or 1 x16 Dual Width Full Length or 1 x16 OCP3.0 Slot 5: 1 x16 Gen5 Full Height Slot 7: 1 x16 Gen5 Full Height or 1 x16 Dual Width Full Length Slot 8: 1 x16 Gen5 Full Height Slot 8: 1 x16 Gen5 Full Height Slot 9: 1 x16 Gen5 Full Height or Low Profile 		
Gen5 PCIe slots:	Up to 8		
OCP network options	2 x OCP NIC 3.0 card (optional) and 1GbE, 10GbE, 25GbE, 100GbE and 400GbE Slot 4: 1 x16 Gen5 OCP3.0 Slot 10: 1 x16 Gen5 OCP3.0 		
Embedded NIC	1 Gb dedicated BMC Ethernet port		
PCIe Add-in Card (AIC) NIC	• 100 GbE and 400GbE; NDR VPI (400GbE); FC 32		
Operating System and Hypervisors	 Canonical Ubuntu Server LTS Microsoft Windows Server with Hyper-V RedHat Enterprise Linux VMware ESXi SUSE Linux Enterprise Server 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 visit Dell.com/OEM .	as if they were designed and built by you. For more information,	

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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