DELL Technologies

Spec Sheet

Purpose Built

- The leader in AI infrastructure
  As noted in the Forrester® AI Infrastructure Wave
- 7:1 Consolidation capable*
- Up to 73% Boost in power efficiency*

Intelligent

- Up to $50k Savings through power and management optimization*[1]
- 80% of PowerEdge servers achieve EPEAT Climate+ designation*[1]
- Up to 150min Less time to manage per 100 servers*[1]
- Industry leading intelligent management
  - iDRAC 10 integrated controller and
  - OpenManage Enterprise

Cyber Resilient

- **3.5x** More security features than competitor*[1]
- **Zero Trust** Adoption Capable
- Factory-to-Site Assurance with Secured Component Verification

Sustainability

- **Engineered for Efficiency** PowerEdge servers have reduced Energy Intensity (EI) by 83% over the past 8 years
- **Efficient** Up to 73% boost in power efficiency

PowerEdge Rack series

Data centers today are faced with the emerging demands of AI, requiring scalable, efficient and high-performance solutions to handle both mainstream and accelerated workload demands. In this landscape, Dell PowerEdge rack servers stand out as a leading choice for IT professionals and data center managers looking to transform their infrastructure.

Dell PowerEdge R-series servers: A comprehensive lineup of rack servers designed to meet the rigorous demands of modern, scalable datacenter infrastructure.

Performance meets Versatility

Experience the perfect combination of performance, versatility, and energy efficiency with our advanced, future-ready, industry standard server designs. Engineered to streamline operations, these servers help lower operational costs and support seamless scalability, allowing your business to quickly adapt to evolving demands. By optimizing workloads, you can reduce your data center footprint while aligning with sustainability goals, all without sacrificing top-tier performance. Designed to meet the needs of high-demand environments, these servers offer advanced features like flexible and expandable configuration options, SmartCooling solutions, and intelligent management tools.

Suitable for complex workloads, high-availability deployments, AI tasks, and inferencing applications, these servers offer a reliable and flexible foundation to manage evolving business requirements. Their robust capabilities support efficient management and operational continuity.

- Advanced processors and GPU architecture
- Expansive memory configurations
- High-bandwidth I/O capabilities
- Tailored for every workload from traditional to AI intensive
- Flexible I/O configurations including front or rear options
- Industry-standard Data Center Modular Hardware Systems (DC-MHS) design

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. Learn more

Boost Productivity with Dell system management solutions

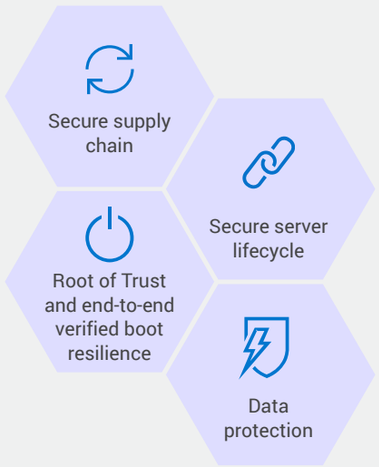
Simplify infrastructure management with iDRAC for secure, remote server administration, OpenManage Enterprise to streamline lifecycle management, and AI-enabled AIOps to optimize infrastructure and applications. Automate tasks, get real-time alerts, and scale effortlessly to boost productivity, performance, and uptime. Learn more

Leadership

#1 IDC

Security

Integrated into every phase of the life cycle



Dell Power and Cooling Solutions

Address growing data center challenges caused by AI and dense computing workloads using a range of solutions that enhance data center cooling strategies, optimize system performance, and empower organizations to balance efficiency, performance, and sustainability.

Expert assistance from Dell Technologies Services

Optimize performance every step of the way with services ranging from quick, seamless deployment with ProDeploy Infrastructure Suite, including AI-specific setups, to proactive, around-the-clock support with ProSupport Plus. Additionally, our consulting and managed services bring even more value by offering tailored strategies designed to streamline operations, improve efficiency, and help you achieve your unique business objectives with confidence. Learn more at Dell.com/Services or contact your Dell representative today.

Rest easier with Dell Technologies Services

ProSupport Plus for Infrastructure

- Keeps your servers running with proactive and predictive support
- Enjoy an assigned customer advocate focused on your desired outcomes, 24/7
- Relax knowing you have third-party collaboration, and critical response for Severity 1 issues.

For piece of mind, further optimize your servers with Dell Technologies Services expert consulting, deployment, managed services and more

Dell Products that work Better Together

Power up the next-generation IP fabric with 2nd generation 100/400GbE open networking. The PowerSwitch S5448F-ON features 48x 100GbE SFP56-DD ports and 8x 400GbE QSFP56-DD ports, providing a broad range of functionality to meet the growing demands of today's data center environment.Dell PowerVault - PowerVault provides SAN/DAS solutions that simplify capacity expansion for PowerEdge Servers

Dell Products that work better together

Power up the next-generation IP fabric with 2nd generation 100/400GbE open networking. The Dell PowerSwitch Z9432F-ON Z9432F-ON provides 32 ports of 400GbE in a single switch.

The PowerSwitch S5448F-ON features 48x 100GbE SFP56-DD ports and 8x 400GbE QSFP56-DD ports, providing a broad range of functionality to meet the growing demands of today's data center environment.

Dell PowerVault - PowerVault provides SAN/DAS solutions that simplify capacity expansion for PowerEdge Servers

This document provides a comprehensive list of product features. However, features marked with an asterisk (*) may not be available at launch but introduced in future updates. Please note that this document does not confirm the availability or release timeline of any feature. For the most accurate and up-to-date information on feature availability, please refer to the product configurator page on dell.com.

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Systems									
Processor	One Intel® Xeon 6 E- core processor with up to 144 cores per processor or One Intel® Xeon 6 P- core processor with up to 86 Cores with R1S option	• One Intel® Xeon® 6 E-core processor with up to 144 cores • One Intel® Xeon® 6 P-core processor with up to 86 cores with R1S option	Two Intel Xeon 6 Processors with up to 144 cores or 86 P-cores per processor	Two Intel Xeon 6 Processor with up to 144 cores or 86 P-cores per processor	One 5th Generation AMD EPYC 9005 Series processor with up to 160 cores per processor	One 5th Generation AMD EPYC 9005 Series processor with up to 160 cores per processor	Two 5th Generation AMD EPYC 9005 Series processors with up to 192 cores per processor	Two 5th Generation AMD EPYC 9005 Series processors with up to 192 cores per processor	Two 5th Generation AMD EPYC 9005 Series processors with up to 192* cores per processor
Memory	• 16 DDR5 DIMM slot, supports RDIMM 4TB* max, speeds up to 6400 MT/s • Intel® Xeon® 6 E-core processor - supports 1 TB max • Intel® Xeon® 6 P-core processor with up to 86 cores with R1S option - supports 4 TB max* • Supports registered ECC DDR5 DIMMs only Note: The installed processor may reduce the operating speed of the DIMM Note: 4 TB max support is with 256 GB memory which is planned as a future release.	• 16 DDR5 DIMM slots, speeds up to 6400 MT/s • One Intel® Xeon® 6 E-core processor - supports RDIMM 1 TB max • One Intel® Xeon® 6 P-core processor with up to 86 cores with R1S option - supports RDIMM 4 TB max* • Supports registered ECC DDR5 DIMMs only Supports registered ECC DDR5 DIMMs only Note: 4 TB max support is with 256 GB memory which is planned as a future release.	• 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 6400 MT/s • Supports registered ECC DDR5 DIMMs only	• 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 6400 MT/s • Supports registered ECC DDR5 DIMMs only	• 24 DDR5 DIMM slots, supports RDIMM 6 TB max*, speeds up to 5200 MT/s • Supports registered ECC DDR5 DIMMs only	• 24 DDR5 DIMM slots, supports RDIMM 6 TB max, speeds up to 5200 MT/s • Supports registered ECC DDR5 DIMMs only	• 24 DDR5 DIMM slots, supports RDIMM 6 TB max*, speeds up to 6400 MT/s • Supports registered ECC DDR5 DIMMs only	• 24 DDR5 DIMM slots, supports RDIMM 6 TB max, speeds up to 6400 MT/s • Supports registered ECC DDR5 DIMMs only	• 24 DDR5 DIMM slots, supports RDIMM 3 TB max*, speeds up to 6400 MT/s • Supports registered ECC DDR5 DIMMs only
Storage controllers	• Internal Controllers (RAID): PERC H365i DC-MHS, front PERC H965i DC-MHS, PERC H365i adapter, PERC H965i adapter • External Controllers: HBA465e, H965e(RAID) • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS): HWRAID 1, 2 xM.2 NVMe SSDs, M.2 interposer with upto 2 x M.2 NVMe SSDs or USB	• Internal Controllers (RAID): PERC H365i DC-MHS, PERC H965i DC-MH, PERC H365i Adapter PERC H965i Adapter • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS), M.2 interposer with up to 2 x M.2 NVMe SSDs, USB • External Controllers: PERC H965e, HBA 465e	• Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS): HWRAID 1, 2 x M.2 NVMe SSDs or M.2 Interposer board (DC-MHS): 2 x M.2 NVMe SSDs or USB • Internal controllers: Front PERC H965i, Front PERC H975i, Front PERC H365i	• Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS): HWRAID 1, 2 x M.2 NVMe SSDs or M.2 Interposer board (DC-MHS): 2 x M.2 NVMe SSDs or USB • Internal controllers: Front PERC H965i, Front PERC H975i, Front PERC H365i	• Internal Controllers (RAID): PERC H365i, H965i, H975i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): HBA465e	• Internal Controllers (RAID): PERC H365i, H965i, H975i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): HBA465e	• Internal Controllers (RAID): PERC H365i, H965i, H975i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): HBA465e	• Internal Controllers (RAID): PERC H365i,H965i, H975i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): HBA465e	• Internal Controllers (RAID): N/A • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS) • External HBAs (non-RAID): N/A

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Drive Bays	Front bays: • Up to 8 x EDSFF E3.S Gen5 NVMe (SSD) max 122.88 TB • Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 245.76 TB • Up to 8 x 2.5-inch SAS/ SATA/NVMe (SSD) max 122.88 TB • Up to 10 x 2.5 - inch SAS/SATA/NVMe(SSD) (with 4 x 2.5 -inch universal) max 84.48 TB • Up to 4 x 3.5 - inch SAS/ SATA max 96 TB Rear bays: • Up to 2 x EDSFF E3.S Gen5 NVMe (SSD) max 30.72 TB	Front bays: • Up to 12 x 3.5-inch SAS (HDD) RAID max 288 TB • Up to 12 x 3.5-inch SAS/ SATA (HDD) RAID max 288 TB • Up to 8 x 2.5-inch NVMe (SSD) RAID max 122.88 TB • Up to 8 x 2.5-inch NVMe (SSD) max 122.88 TB • Up to 8 x 2.5-inch SAS/SATA (HDD/SSD) max 30.72 TB • Up to 8 x 2.5-inch SAS/SATA/ Universal (HDD/SSD) max 122.88 TB • Up to 16 x 2.5-inch SAS/ SATA (HDD/SSD) RAID max 61.44 TB • Up to 24 x 2.5-inch SAS4/ SATA (HDD/SSD) max 92.16 TB • Up to 8 x EDSFF E3.S (hot-aisle) Gen5 NVMe max 122.88 TB • Up to 8 x EDSFF E3.S (cold-aisle) Gen5 NVMe 122.88 TB • Up to 16 x EDSFF E3.S (cold-aisle) Gen5 NVMe max 245.76 TB • Up to 16 x EDSFF E3.S (hot-aisle) Gen5 NVMe max 245.76 TB • Up to 32 x EDSFF E3.S (hot-aisle) Gen5 NVMe max 491.52 TB Rear bays: • Up to 4 x EDSFF E3.S Gen5 NVMe max 61.44 TB	• No Backplane configuration • Up to 8 x EDSFF E3.S NVMe (SSD) max 122.88 TB also with FIO configuration Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 245.76 TB • Up to 20 x EDSFF E3.S Gen5 NVMe (SSD) max 307.2 TB • Up to 8 x 2.5 inch SAS/SATA/ NVMe Direct/NVMe Raid (SSD) max 122.88 TB • 8 x 2.5-inch Universal 245.6 TB • Up to 10 x 2.5 inch SAS/ SATA (SSD) max 38.4 TB • Up to 2 x EDSFF E3.S Gen5 NVMe (SSD) in the rear max 30.72 TB	• No backplane configuration • Up to 8 x EDSFF E3.S Gen5 NVMe (SSD) max 122.88 TB also comes with FIO configuration • Up to 16 x EDSFF E3.S Gen5 NVMe (SSD) max 245.76 TB also comes with FIO configuration • Up to 32 x EDSFF E3.S Gen5 NVMe (SSD) max 489.6 TB • Up to 8 x 2.5 inch SAS/SATA/ NVMe (SSD) max 122.88 TB • Up to 8 x 2.5-inch Universal max 245.6 TB • Up to 16 x 2.5 inch SAS/SATA (SSD) max 61.44 TB • Up to 24 x 2.5 inch SAS/SATA (SSD) max 92.16 TB • Up to 16 x 2.5 inch SAS/SATA (SSD) + 8 x 2.5-inch NVME) max 92.16 TB • Up to 40 x EDSFF E3.S Gen5 NVMe (SSD) max 614.4 TB • Up to 4 x EDSFF E3.S Gen5 NVMe (SSD) max 61.2 TB on the rear	Front bays: • 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 • 16 x EDSFF E3.S Gen5 NVMe drives • 20 x EDSFF E3.S + Rear 2 x EDSFF E3.S	Front bays: • 2 x U.2 SSDs • 12 x 3.5-inch SAS/SATA • 8 x 2.5 Universal/ 16 x 2.5-inch SAS/SATA / 24 x 2.5-inch SAS/ SATA • 16 x 2.5-inchSAS/SATA SSD + 8 x U.2 NVMe drives • 8 x EDSFF E3.S / 16 x EDSFF E3.S / 32 x EDSFF E3.S / 40 x EDSFF E3.S	Front bays: • 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	Front bays: • 12 x 3.5-inch SAS/SATA • 8 x 2.5-inch Universal / 16 x 2.5-inch SAS/SATA / 24 x 2.5-inch SAS/SATA • 16 x 2.5-inch SAS/SATA + 8 x U.2 or 2.5-inch NVMe RAID • 8 x EDSFF E3.S / 16 x EDSFF E3.S / 32 x EDSFF E3.S / 40 x EDSFF E3.S	Front bays: • 24 x 2.5-inch U.2 Gen5 NVMe (SSD) max 2928 TB*

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Power Supplies	• 800W Platinum 100-240 VAC or 240 HVDC, hot swap redundant • 1100 W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1500 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1500W Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1500 W 277 Vac and HVDC Titanium, hot swap redundant* • 1800 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant* • 1400W -48v DC Titanium, hot swap redundant*	• 800 W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1100 W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1500 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant • 1500 W 277 Vac and HVDC Titanium, hot swap redundant* • 1800 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant* • 1400 W -48 VDC, hot swap redundant*	• 1500 W Titanium 100—240 VAC or 240 VDC • 1100 W Titanium 100—240 VAC or 240 VDC • 800 W Titanium 100—240 VAC or 240 VDC • 1800 W HLAC Titanium 200—240 VAC or 240 VDC* • 1100 W Platinum 100—240 VAC or 240 VDC • 800 W Platinum 100—240 VAC or 240 VDC • 1500 W 277 VAC or 336 VDC* • 1400 W LVDC -48 — -60 VDC*	• 800 W Platinum 100—240 VAC or 240 VDC • 1100 W Platinum 100—240 VAC or 240 VDC • 1500 W Titanium 100—240 VAC or 240 VDC • 1100 W Titanium 100—240 VAC or 240 VDC • 3200 W Titanium 200—240 VAC or 240 VDC • 800 W Titanium 100—240 VAC or 240 VDC • 3200 W 277 VAC and 336 HVDC Titanium* • 1400 W -48VDC 60mm* • 1500 W 277 VAC and 336 HVDC Titanium* • 2400 W Titanium 100—240 VAC or 240 VDC* • 1800 W HLAC Titanium 200—240 VAC or 240 VDC*	• Platinum 800W, 1100W • Titanium: 800W, 1100W, 1500W, 1500W 277Vac & HVDC*, 1800W* • Telco: 1400W -48VDC	• Platinum 800W, 1100W • Titanium: 800W, 1100W, 1500W 277Vac & HVDC*, 1800W*, 2400W*, 3200W, 3200W 277Vac & HVDC* • Telco: 1400W -48VDC	• Platinum 800W, 1100W • Titanium: 800W, 1100W, 1500W, 1500W 277VAC & HVDC*, 1800W* • Telco: 1400W -48VDC	• Platinum 800W, 1100W • Titanium: 800W, 1100W, 1500W, 1500W 277Vac & HVDC*, 1800W*, 2400W*, 3200W, 3200W 277Vac & HVDC* • Telco: 1400W -48VDC	• 1500 W Titanium 100—240 VAC or 240 HVDC, hot swap redundant • 1800 W Titanium 200-240 VAC or 240 HVDC, hot swap redundant* • 2400 W Titanium 100—240 VAC or 240 HVDC, hot swap redundant* • 3200 W Titanium 200-240 VAC or 240 HVDC, hot swap redundant
Cooling Options	Air cooling	Air cooling	• Air cooling and Direct Liquid Cooling	• Air cooling and Direct Liquid Cooling	Air cooling, Direct Liquid Cooling (DLC)	Air cooling, Direct Liquid Cooling (DLC)	Air cooling, Direct Liquid Cooling (DLC)	Air cooling, Direct Liquid Cooling (DLC)	Air cooling
Fans	• Up to 4 sets (dual fan module) hot swappable fan	• Up to six hot plug fans	• High performance Silver (HPR SLVR) or Standard (STD) fans • Up to 4 sets (dual fan module) hot swappable fans	• High performance Silver (HPR SLVR) fans/High performance Gold (HPR GOLD) fans • Up to 6 hot swappable fans	• Up to four sets (dual fan module) hot plug fans	• Up to six hot plug fans	• Up to four sets (dual fan module) hot plug fans	• Up to six hot plug fans	• Up to six hot plug fans
Dimensions	• Height – 42.8 mm (1.69 inches) • Width – 482 mm (19.0 inches) • Depth – 816.92 mm (32.16 inches) with bezel • Depth – 815.14 mm (32.09 inches) without bezel • Depth (Front I/O Configuration) — 829.44 mm (32.09 inches) without bezel Note: Front I/O configuration will not have a bezel.	• Height – 86.8 mm (3.42 inches) • Width – 482.0 mm (18.98 inches) • Depth – 802.38 mm (31.59 inches) with bezel • Depth – 801.49 mm (31.55 inches) without bezel • Depth (Cold aisle/Front I/O Configuration) – 814.5 mm (32.06 inches) without bezel Note: Front I/O configuration will not have a bezel.	Height – 42.8 mm (1.69 inches) Width – 482 mm (18.98 inches) Weight – 20.42 kg (45.02 pounds) Depth (for rear I/O configuration) • 816.92 mm (32.20 inches) with bezel • 815.14 mm (32.09 inches) without bezel Depth (for front I/O configuration) • 829.44 mm (32.66 inches) without bezel Note: The front I/O configuration does not support the bezel	• Height – 86.8 mm (3.42 inches) • Width – 482 mm (18.97 inches) • Weight – 28.53 kg (62.89 pound) Depth (for rear I/O configuration) • 802.40 mm (31.59 inches) with bezel • 801.51 mm (31.56 inches) without bezel Depth (for front I/O configuration) • 814.52 mm (32.07 inches) without bezel Note: The front I/O configuration does not support the bezel.	• Height – 42.8 mm (1.68 inches) • Width – 482.0 mm (18.97 inches) • Depth – 816.921 mm (32.16 inches) with bezel – 815.141 mm (32.09 inches) without bezel	• Height – 86.8 mm (3.41 inches) • Width – 482.0 mm (18.97 inches) • Depth – 802.4 mm (31.59 inches) with bezel – 801.51 mm (31.55 inches) without bezel	• 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	• Height – 86.8 mm (3.42 inches) • Width – 482 mm (18.98 inches) • Depth – 802.4 mm (31.59 inches) with bezel – 801.51 mm (31.55 inches) without bezel	• Height – 86.8 mm (3.42 inches) • Width – 482 mm (18.98 inches) • Depth – 802.4 mm (31.59 inches) with bezel – 801.51 mm (31.55 inches) without bezel
Form Factor	1U rack server	2U rack server	1U rack server	2U rack server	1 U rack server	2U rack server	1 U rack server	2U rack server	2U rack server

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Embedded Management	• iDRAC • iDRAC Direct • iDRAC RESTfull API with redfish • RACADM CLI • iDRAC Service Module	• iDRAC • iDRAC Direct • iDRAC RESTful API with Redfish • RACADM CLI • iDRAC Service Module (iSM)	• iDRAC • iDRAC Direct • iDRAC RESTful API with Redfish • RACADM CLI • iDRAC Service Module (iSM) • NativeEdge Endpoint • NativeEdge Orchestrator • Quick Sync 2 wireless module	• iDRAC • iDRAC Direct • iDRAC RESTful API with Redfish • RACADM CLI • iDRAC Service Module (iSM) • NativeEdge Endpoint • NativeEdge Orchestrator • Quick Sync 2 wireless module	• iDRAC10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI • Quick Sync 2 wireless module	• iDRAC10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI • Quick Sync 2 wireless module	• iDRAC10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI • Quick Sync 2 wireless module	• iDRAC10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI • Quick Sync 2 wireless module	• iDRAC 10 • iDRAC Direct • iDRAC RESTful API with Redfish • Racadm CLI
Bezel	Optional security bezel	Optional security bezel	Optional security bezel	Optional security bezel	Optional metal bezel	Optional metal bezel	Optional metal bezel	Optional metal bezel	Optional metal bezel*
OpenManage Software	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center	• OpenManage Enterprise (OME) • OME Power Manager • OME Services • OME Update Manager • OME APEX AIOps Observability • OME Integration for VMware vCenter (with VMware Aria Operations) • OME integration for Microsoft System Center • OpenManage Integration for Windows Admin Center
Tools	IPMI	IPMI	IPMI	IPMI	IPMI	IPMI	IPMI	IPMI	IPMI
Integrations and Connections	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • Redhat Ansible Collections • Terraform Providers	OpenManage Integrations • RedHat Ansible Collections • Terraform Providers	OpenManage Integrations • RedHat Ansible Collections • Terraform Providers
Change Management	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*	• Dell Repository Manager • Dell System Update • Enterprise Catalogs • Server Update Utility (SUU)*

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Security	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown (requires iDRAC10 Enterprise or Datacenter) • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Silicon Root of Trust • System Lockdown • System Lockdown (requires iDRAC10 Enterprise or Datacenter) • Chassis Intrusion Detection • TPM 2.0 FIPS, CC-TCG certified	• Cryptographically signed firmware • Data at Rest Encryption (SED with local or external key management) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• AMD Secure Encrypted Virtualization (SEV) • AMD Secure Memory Encryption (SME) • Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secured Component Verification (Hardware integrity check) • Secure Erase • Silicon Root of Trust • System Lockdown • TPM 2.0 FIPS, CC-TCG certified • Chassis Intrusion Detection
OCP network options	• Up to two OCP NIC card 3.0: Two slots on the front or two slots on the rear (optional) Slot 2: 1 x16 OCP 3.0 Slot 5: 1 x16 OCP 3.0 Slot 31: 1 x16 OCP 3.0 Slot 32: 1 x16 OCP 3.0	• Up to two OCP NIC card 3.0: Two slots on the front or two slots on the rear (optional) Slot 4: 1 x16 OCP 3.0 Slot 10: 1 x16 OCP 3.0 Slot 34: 1 x16 OCP 3.0 Slot 38: 1 x16 OCP 3.0	4 x OCP NIC 3.0 cards (optional) and 1GbE, 10GbE, 25GbE, 100GbE and 400GbE* Slot 31 1 x 16 OCP 3.0 on front riser Slot 32 1 x 16 OCP 3.0 on front riser Slot 2 1 x 16 OCP 3.0 Slot 5 1 x 8 Gen5 OCP 3.0 or 1 x 16 Gen5 OCP 3.0	4 x OCP NIC 3.0 cards (optional) and 1GbE, 10GbE, 25GbE, 100GbE and 400GbE* Slot 4 1 x 8 or 1 x 16 Gen5 OCP 3.0 Slot 10 1 x 8 or 1 x 16 OCP 3.0 Slot 34 1 x 16 Gen5 OCP 3.0 on front riser Slot 38 1 x 16 Gen 5 OCP 3.0 on front rise	• 2 x OCP card 3.0 (optional) and 1GbE, 10GbE, 25GbE,100GbE and 400GbE • Slot 2: 1 x16 Gen5 OCP 3.0 • Slot 5: 1 x16 Gen5 OCP 3.0	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	2 x OCP card 3.0 (optional) and 1GbE, 10GbE, 25GbE, 100GbE and 400GbE • Slot 2: 1 x16 Gen5 OCP 3.0 • Slot 5: 1 x16 Gen5 OCP 3.0	• 2 x OCP NIC 3.0 card (optional) and 1GbE, 10GbE, 25GbE, 100GbE and 400GbE • Slot 4: 1 x16 Gen5 second OCP 3.0 • Slot 10: 1 x16 Gen5 OCP3.0	• 1 x OCP NIC 3.0 Gen 3 (optional); 10 GbE • Slot 10: 1 x4 Gen3 OCP3.0
BOSS	Slot 34: 1 x4 BOSS Slot 3: 1 x4 BOSS	Slot 34: 1 x4 BOSS Slot 6: 1 x4 BOSS	Slot 34 1 x 4 BOSS Slot 3 1 x 4 BOSS	Slot 34 1 x 4 BOSS Slot 6 1 x 4 BOSS	Slot 3: 1 x4 BOSS	Slot 6: 1 x4 BOSS	Slot 3: 1 x4 BOSS	Slot 6: 1 x4 BOSS	Slot 6: 1 x 4 Gen3 BOSS
Embedded NIC	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port	1 Gb dedicated BMC Ethernet port
PCIe Add-in Card (AIC) NIC	NA	NA	NA	NA	100 GbE and 400GbE; NDR VPI (400GbE); FC 32	100 GbE and 400GbE; NDR VPI (400GbE); FC 32	100 GbE and 400GbE; NDR VPI (400GbE); FC 32 / 64	100 GbE and 400GbE; NDR VPI (400GbE); FC 32 / 64	100 GbE and 400 GbE; NDR VPI (400 GbE)
GPU Options	Up to 4 x 75 W SW	Up to 3 x 400W DW; Up to 4 x 75W SW	Up to 3 x 75 W SW	Up to 6 x 75 W FHHL* or up to 2 x 350 W DWFL	Up to 3 x 75W SW	Up to 3x 450W DW*; Up to 6x 75W SW	Up to 3 x 75 W SW	Up to 2 x 450W DW*; Up to 6 x 75W SW	N/A
Ports	Front Ports • 1 x USB 2.0 Type - C port • 1 x USB 2.0 Type A port (optional) • 1 x Mini-DisplayPort (optional) • 1 x DB9 Serial (with front I/O configuration) • 1 x Dedicated BMC Ethernet port (with front I/O configuration) Rear Ports • 1 x Dedicated BMC Ethernet port • 2 x USB 3.1 Type A ports • 1 x VGA Internal Ports • 1 x USB 3.1 Type A port	Front Ports • 1 x USB 2.0 Type-C (HOST/ BMC Direct) • 1 x USB 2.0 Type-A (optional LCP - Secondary KVM) • 1 x Mini DisplayPort (optional LCP - Secondary KVM) • 1 x DB9 Serial (with front I/O configuration) • 1 x Dedicated BMC Ethernet port (with front I/O configuration) Rear Ports • 1 x Dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA Internal Port • 1 x USB 3.1 Type-A	Front Ports: • 1 x USB 2.0 Type C port • 1 x USB 2.0 Type A port (optional) • 1 x Mini-DisplayPort (optional) • 1 x DB9 Serial (with front I/O configuration) • 1 x Dedicated ethernet port for iDRAC management Rear Ports: • 1 x Dedicated ethernet port for iDRAC management • 1 x VGA • 2 x USB 3.1 Type A ports Internal Ports: • 1 x USB 3.1 Type A port	Front Ports: • 1 x USB 2.0 Type C port • 1 x USB 2.0 Type A port (optional) • 1 x Mini-DisplayPort (optional) • 1 x DB9 Serial (with front I/O configuration) • 1 x Dedicated ethernet port for iDRAC management Rear Ports: • 1 x Dedicated ethernet port for iDRAC management • 1 x VGA • 2 x USB 3.1 Type A ports Internal Ports: • 1 x USB 3.1 Type A port	Front Ports • 1 x USB 2.0 Type-A (optional LCP KVM) • 1 x USB 2.0 Type-C (HOST/BMC Direct) • 1 x MiniDisplay port (optional LCP KVM) Rear Ports • Two USB 3.1 Type-A • 1 x VGA • 1 Gb dedicated BMC Ethernet port Internal Port • 1 x USB 3.1 Type-A	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) Rear Ports • 1 x 1 Gb Dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA Internal Port • 1 x USB 3.1 Type-A	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) Rear Ports • 1 x 1 Gb dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA Internal Port • 1 x USB 3.1 Type-A	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 Rear Ports • 1 x dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA Internal Port • 1 x USB 3.1 Type-A	Front Ports • 1 x USB 2.0 Type-A (optional LCP - Secondary KVM) • 1 x USB 2.0 Type-C (HOST/BMC Direct) • 1 x Mini DisplayPort (optional LCP - Secondary KVM Rear Ports • 1 x dedicated BMC Ethernet port • 2 x USB 3.1 Type-A • 1 x VGA Internal Port • 1 x USB 3.1 Type-A

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
PCIe slots	Up to 4 Gen5 PCIe slots (x16 connectors) • Slot 1: 1 x8 Gen5 Low Profile • Slot 1:1 x16 Gen5 (x16 connector) full height, half length on rear riser • Slot 4: 1 x16 Gen5 (x16 connector) full height, half length on rear riser • Slot 31: 1 x16 Gen5 (x16 connector) full height, half length on rear riser • Slot 32: 1 x16 Gen5 (x16 connector) full height, half length on rear riser	Up to six PCIe slots (x16 connector) • Slot 2: 1 x16 Gen5 Full Height, Half Length or 1 x16 Full Height, Full Length • Slot 3: 1 x16 Gen5 Full Height, Half Length • Slot 4: 1 x16 Gen5 Full Height, Half Length or 1 x16 Full Height, Full Length or 1 x16 OCP3.0 • Slot 6: 1 x4 Gen4 Boss (optional) • Slot 7: 1 x16 Gen5 Full Height, Half Length or 1 x16 Full Height, Full Length • Slot 9: 1 x16 Gen5 Full Height, Half Length • Slot 10: 1 x16 OCP3.0 • Slot 31: 1 x16 Gen5 Full Height, Half Length • Slot 34: 1 x16 OCP3.0 or 1 x4 Gen4 Boss (optional) • Slot 36: 1 x16 Gen5 Full Height, Half Length • Slot 38: 1 x16 OCP3.0	• Up to 2 x 16 Gen5 PCIe slots • Slot 31 1 x 16 Full Height - Half Length or Full Height - Full Length or 1 x 16 OCP 3.0 on front riser • Slot 32 1 x 16 Full Height - Half Length or Full Height - Full Length or 1 x 16 OCP 3.0 on front riser • Up to 3 x 16 or 2 x 8 Gen5 PCIe slots • Slot 1 1 x 16 Full Height - Half Length or Full Height - Full Length or 3 x 16 or 1 x 8 Low Profile - Half Length • Slot 2 1 x 16 or 1 x 8 Low Profile - Half Length or 1 x 16 OCP 3.0 • Slot 4 1 x 16 Full Height - Half Length or 1 x 16 Low Profile - Half Length	• Upto two PCIe slots (x16 connectors) • Slot 31 1 x 16 Gen5 Full Height - Half Length or Full Length on front Riser • Slot 36 1 x 16 Gen5 Full Height - Half Length on front Riser • Upto eight PCIe slots (x8 and x16 connectors) • Slot 1 1 x 8 Gen5 Full Height - Half Length • Slot 2 1 x 16 Gen5 Dual Width Full Length or 1 x 8 Gen5 Full Height - Half Length • Slot 3 1 x 16 Gen5 Full Height - Half Length or 1 x 16 Gen5 Low Profile • Slot 4 1 x 16 Gen5 Full Height - Half Length or 1 x 8 Gen5 Full Height - Half Length or 1 x 8 or 1 x 16 OCP 3.0 • Slot 5 2 x 16 Gen5 Full Height - Half Length or 1 x 8 Gen5 Full Height - Half Length • Slot 7 1 x 16 Gen5 Full Height - Half Length or 1 x 16 Gen5 Dual Width Full Length or 1 x 8 Gen5 Full Height - Half Length • Slot 8 1 x 16 Gen5 Full Height - Half Length or 1 x 8 Gen5 Full Height - Half Length • Slot 9 1 x 16 Gen5 Full Height - Half Length or 1 x 8 Gen5 Full Height - Half Length or 1 x 16 Low Profile- Half Length	Up to three PCIe slots (x16 connector) • 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	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 9: 1 x16 Gen5 Full Height or Low Profile	Up to three PCIe slots (x16 connector) • 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	Up to eight PCIe slots (x8 or x16 connector) • Slot 1: 1 x8 Gen5 Full Height • Slot 2: 1 x16 Gen5 Full Height or 1 x8 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 x8 Gen5 Full Height or 1 x16 OCP3.0 • Slot 5: 1 x8 Gen5 Full Height • Slot 7: 1 x16 Gen5 Full Height or 1 x8 Gen5 Full Height or 1 x16 Dual Width Full Length • Slot 8: 1 x16 Gen5 Full Height or 1 x8 Gen5 Full Height • Slot 9: 1 x16 Gen5 Full Height or Low Profile	Up to 5 Gen5 PCIe slots (x16 connectors)* • Slot 2: 1 x16 Gen5 Full Height • Slot 3: 1 x16 Gen5 Full Height or 1 x16 Gen5 Low Profile • Slot 4: 1 x16 Gen5 Full Height* • Slot 7: 1 x16 Gen5 Full Height • Slot 8: 1 x16 Gen5 Full Height • Slot 9: 1 x16 Gen5 Low Profile
Gen5 PCIe slots	4	4	3	8	3	8	3	8	5*

Feature	R470	R570	R670	R770	R6715	R7715	R6725	R7725	R7725xd
Operating System and Hypervisors	• Canonical Ubuntu Server LTS • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi • Windows Server • Windows Server Datacenter For specifications and interoperability details, see Dell.com/OSsupport.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • RedHat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Serve • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware with vSphere For specifications and interoperability details, see Dell.com/OSsupport.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linuxr • SUSE Linux Enterprise Server • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linuxr • SUSE Linux Enterprise Server • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport.	• 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.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linuxr • SUSE Linux Enterprise Server • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport.	• Canonical Ubuntu Server LTS • Microsoft Windows Server with Hyper-V* • RedHat Enterprise Linux • 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 as if they were designed and built by you. For more information, visit Dell. com/OEM.								
For more information	R470 Technical Guide	R570 Technical Guide	R670 Technical Guide	R770 Technical Guide	R6715 Technical Guide	R7715 Technical Guide	R6725 Technical Guide	R7725 Technical Guide	R7725xd Technical Guide

Note:* Feature not available at product launch. Please refer to the product configurator page on Dell.com to confirm feature availability.
For specifications and interoperability details, see Dell.com/OSsuppot.
[1]https://www.dell.com/en-us/shop/dell-poweredge-servers/sc/servers
Website link:
https://www.dell.com/en-us/shop/dell-poweredge-servers/sc/servers?gacd=9650523-1130-5761040-266691960-0&dgc=ST&SA360CID=71700000081500494&gad_source=1&gclid=EAIaIQobChMI_6P188fhigMVNGBHAR0dWSLgEAAYASABEgIDd_D_BwE&gclsrc=aw.ds
Technology leadership blog link
https://www.dell.com/en-us/blog/dells-ai-infrastructure-makes-waves-in-forrester-report/?hve=explore+isg_category_servers_hero1
Competitive advantage link
https://www.delltechnologies.com/asset/en-us/products/cross-company/industry-market/principled-technologies-dell-management-portfolio-vs-supermicro-whitepaper.pdf?hve=explore+isg_category_servers_hero2
Customer success link
https://www.dell.com/en-us/dt/case-studies-customer-stories/northwestern-medicine.htm#scroll=off?hve=explore+isg_category_servers_hero3

Rack Server	R260	R360	R660	R760	R860	R960	R660xs	R760xs	R760xd2	R760xa
										
Key attributes	Short-depth rack server with filter bezel for Near-Edge customers featuring the latest Intel Xeon-E 2400 series processors, DDR5 memory, NVMe BOSS, and Energy Star 4.0 PSU	Streamlined productivity, high-enterprise GPU, and powerful compute to address common business applications.	Provides performance and versatility for demanding applications	Provides performance and versatility for demanding applications	Power business-critical, core workloads with high-density compute	Extreme acceleration for business continuity and scale out	Right-sized for the most popular IT applications	Right-sized for the most popular IT applications	Dense storage, faster retrieval and scalability	High performance, scalable server for intensive GPU applications
Target workloads	Collaboration and Sharing, Mail and Messaging, Near-Edge Applications	Collaboration and Sharing, Mail and Messaging, Database	High Density Virtualization, Dense Database Analytics, Mixed Workload Standardization	Mixed Workload standardization Database and Analytics Virtual Desktop Infrastructure	Large in-memory databases, Data analytics, AI and virtualization, Virtual Desktop Infrastructure (VDI)		Virtualization, Cloud, Scale-Out Database, High Performance Compute (HPC)	Virtualization, Software-Defined Storage, Medium density VM or VDI	File and object storage, Video capturing & surveillance, Video streaming	AI/ML/DL training and inferencing Digital Twins, render graphics Virtualization and VDI graphics
Type of processor	1 x Intel® Xeon® E-2400 series processor with up to 8 cores, or 1 x Intel® Pentium processor with 2 cores, or 1 x Intel® Xeon® 6300 series processor with up to 8 cores	1 x Intel® Xeon® E-2400 series processor with up to 8 cores, or 1 x Intel® Pentium processor with 2 cores, or 1 x Intel® Xeon® 6300 series processor with up to 8 cores	2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor		4 x 4th Generation Intel®Xeon® Scalable processors; up to 60 cores per processor and with optional Intel® QuickAssist Technology		2 x 5th generation Intel® Xeon® Scalable processors with up to 28 cores or 2 x 4th Generation Intel® Xeon® Scalable processors with up to 32 cores per processor		2 x 4th Generation Intel® Xeon® Scalable processors; up to 32 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 28 cores per processor	2 x 4th Generation Intel® Xeon® Scalable processors; up to 56 cores per processor or 2 x 5th Generation Intel® Xeon® Scalable processors; up to 64 cores per processor
DDR5 DIMM slots (max capacity)	4 (128 GB)	4 (128 GB)	32 (8 TB)		64 (16 TB)		16 (1.5 TB)	16 (1.5 TB)	16 (1.5TB)	32 (8 TB)
Disk drives up to:	2 x 3.5” 6 x 2.5”	4 x 3.5” 8 x 2.5”	8 x 2.5” 10 x 2.5” 10 x 2.5” 14 x E3.S 16 x E3.S 2 x 2.5” (rear) 2 x E3.S (rear)	12 x 3.5” 8 x 2.5” 16 x 2.5” 24 x 2.5” 16 x E3.S 2 x 2.5” (rear) 4 x 2.5” (rear) 4 x E3.S (rear)	8 x 2.5” 16 x 2.5” 24 x 2.5” 8 x E3.S 2 x 2.5” (rear)	8 x 2.5” 16 x 2.5” 24 x 2.5” 32 x 2.5” 16 x E3.S 8 x 2.5” + 16 x E3.S	4 x 3.5” 8 x 2.5” 10 x 2.5” 2 x 2.5” (rear)	12 x 3.5” 8 x 3.5” 8 x 2.5” 16 x 2.5” + 8 x NVMe 2 x 2.5” (rear)	12 x 3.5” (Front bay) + 12 x 3.5” (Mid bay) 2 x 2.5” or 4 x 2.5” or 4 x 3.5” or 4 x E3.S (rear)	6 x 2.5” 8 x 2.5” 6 x E3.S
NVMe drives up to:	N/A	N/A	10	24	24	24	10	8	4	8
Gen5 PCIe slots up to:	N/A	N/A	2	4	8	12	2	2	N/A	12
Gen4 PCIe slots up to:	2	2	3	8	4	N/A	3	4	5	N/A
Accelerator support up to:	N/A	1 x 60 W SW	3 x 75 W SW	2 x 350 W DW or 6 x 75 W SW	N/A	4 x 400 W DW	N/A	2 x 75 W SW	2 x 75 W SW , 1 x 75 W SW + 1 x 150 W SW or 1 x 180 W DW	4 x 400 W DW or 12 x 75 W SW
Rack height (U)	1	1	1	2	2	4	1	2	2	2
Integrated security	TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks.									

Rack Server	R7625	R6625	R7615	R6615
				
Key attributes	Breakthrough performance	Breakthrough performance	Powerful performance and scalability	Peak performance and excellent TCO
Target workloads	High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), Virtualization	High Performance Computing (HPC), Virtual Desktop Infrastructure (VDI), Virtualization	Software-Defined Storage (SDS), Virtualization, Data Analytics	Virtualization, Hyper-Converged Infrastructure (HCI), Network Functions Virtualization (NFV)
Type of processor	2 x AMD EPYC™ 4th Generation 9004 Series Processor, up to 128 cores per processor	2 x AMD EPYC™ 4th Generation 9004 Series Processor, up to 128 cores per processor	1 x AMD EPYC™ 4th Generation 9004 series processor; up to 128 cores	
DDR5 DIMM slots (max capacity)	24 (6 TB)	24 (6 TB)	12 (3 TB)	
Disk drives up to:	8 x 3.5″ 12 x 3.5″ 8 x 2.5″ 16 x 2.5″ 24 x 2.5″ 2 x 2.5″ (rear) 4 x 2.5″ (rear) 4 x E3.S (rear)	4 x 3.5″ 8 x 2.5″ 10 x 2.5″ 14 x E3.S 16 x E3.S 2 x 2.5″ (rear) 2 x E3.S (rear)	8 x 3.5″ 12 x 3.5″ 8 x 2.5″ 16 x 2.5″ 24 x 2.5″ 2 x 2.5″ (rear) 4 x 2.5″ (rear) 4 x E3.S (rear)	4 x 3.5″ 8 x 2.5″ 10 x 2.5″ 14 x E3.S 16 x E3.S 2 x 2.5″ (rear) 2 x E3.S (rear)
NVMe drives up to:	24	10	24	10
Gen5 PCIe slots up to:	4	2	4	2
Gen4 PCIe slots up to:	8	3	4	3
Accelerator support up to:	2 x 300 W DW or 6 x 75 W SW	3 x 75 W SW	3 x 300 W DW or 6 x 75 W SW	3 x 75 W SW
Rack height (U)	2	1	2	1
Integrated security	TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, Secure Boot being standard security, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), Data at Rest Encryption (SEDs with local or external key mgmt) Secured Component Verification (Hardware integrity check) and System Erase on all racks.	TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Secure Boot, Secure Erase, Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), AMD Secure Memory Encryption (SME) and AMD Secure Encrypted Virtualization (SEV)		

Rack Server	R450	R550	R650	R750
				
Key attributes	Value and density-focused, built for general purpose IT	Versatile, value-optimized, virtualization-ready, built for general purpose IT	High scalability, optimized workload performance	Outstanding performance for the most demanding workloads
Target workloads	Small IT infrastructure, light VM, small business specific workloads	Small IT infrastructure, light VM density, small business specific workloads	Mixed workload standardization, database and analytics, HFT, traditional corporate IT, VDI, HPC, AI, or ML environments	Database and analytics, HPC, traditional corporate IT, VDI, AI, or ML environments
Type of processor	2 x 3rd Generation Intel® Xeon® Scalable processors; up to 24 cores per processor		2 x 3rd Generation Intel® Xeon® Scalable processors; up to 40 cores per processor	
DDR4 DIMM slots (max capacity)	**16 (1 TB)**	**16 (1 TB)**	32 (4 TB)	32 (8 TB)
Disk drives up to:	4 x 3.5” 8 x 2.5”	8 x 3.5” 8 x 2.5” 16 x 2.5”	4 x 3.5” 8 x 2.5” 10 x 2.5” 2 x 2.5” (rear)	12 x 3.5” 8 x 2.5” 16 x 2.5” 24 x 2.5” 2 x 2.5” or 4 x 2.5” (rear)
NVMe drives up to:	N/A	**N/A**	12	24
Gen4 PCIe slots up to:	2	3	3	8
Gen3 PCIe slots up to:	**N/A**	1	**N/A**	N/A
Accelerator support up to:	**N/A**	**N/A**	3 x 75 W SW	2 x 300 W DW or 4 x 150 W SW or 6 x 75 W SW
Rack height (U)	1	2	1	2
Integrated security	TPM 1.2/2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ, Cryptographically Signed Firmware, Chassis Intrusion Alert, and Secure Boot being standard security on all racks. Integrated security features such as Silicon Root of Trust, System Lockdown (requires iDRAC9 Enterprise or Datacenter), and System Erase on all racks			

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.

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