



# OEM PowerEdge XR8000

## Sled based, Flexible, Rugged Compute

### Dell Technology's multi-node, short depth, dense compute for the edge

Experience ultimate flexibility at the Edge with Dell's purpose-built server featuring an innovative sled-based architecture positioned to take us farther than any other Edge product. Designed for a broad range of workloads with the flexibility to extend from RAN at the cell site to AI/ML on a factory floor. This short-depth Class 1 server delivers high-performance compute in the harshest of environments with TCO at the center of every design decision.

### Ultimate Flexibility for Scalability

Choose from multiple sled configurations with up to 2 nodes per chassis to meet all your growing and changing workloads

- 2U sled options for optimum compute configurations enabling common platforms across Core, Edge, Far-edge, and RAN
- 4th generation Intel Xeon Scalable Processors up to 32 cores
- Both DC and AC power supply options

### TCO Optimized Design

Reduce support and maintenance costs, decrease service outages, and capitalize on energy savings

- Advanced system power design enables dual PSUs to support up to 2 sleds
- Integrated fan infrastructure to support higher efficiency cooling
- Compute, power, sleds and chassis are serviceable separately simplifying field maintenance

### Purpose built for the edge

Achieve high-performance compute in any environment

- Built rugged to operate in temperatures from -5°C to 55°C for select configurations
- Offers easy serviceability with front I/O and power
- Short-depth (430 mm) chassis to fit in space constrained environments

### 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.

### OEM PowerEdge XR8000

The Dell OEM PowerEdge XR8000 is a high-performance server designed and optimized for telecom and edge use cases like

- Centralized RAN
- Distributed RAN
- Network Edge
- Manufacturing
- Retail
- Military & Defense

Feature		Technical Specifications for XR8000r and XR8620t	
Processor	1 x 4th Generation Intel Xeon Scalable processor with up to 32 cores per sled		
Memory	<ul style="list-style-type: none"> <li>8 x DDR5 DIMM slots, supports RDIMM total 512 GB with max speeds up to 4800 MT/s</li> <li>Supports registered ECC DDR5 DIMMs only</li> </ul>		
Storage	<ul style="list-style-type: none"> <li>2 x M.2 2280 or 22110 direct connect NVMe drives with dual M.2 NVMe direct riser module (non-RAID)</li> </ul>		
Chassis	<ul style="list-style-type: none"> <li>XR8000r</li> </ul>		
Sleds	<ul style="list-style-type: none"> <li>XR8620t</li> </ul>		
Hot swap Redundant Power Supplies	<ul style="list-style-type: none"> <li>1800W Titanium 200 — 240 VAC</li> <li>1100W DC/ -48 — (-60) V</li> <li>800W DC/ -48 — (-60) V</li> </ul>		
Cooling Options	<ul style="list-style-type: none"> <li>Air cooling</li> </ul>		
Fans	Up to 8 Standard (STD) cabled cooling fans with reverse air-flow installed in sleds		
Dimensions and Weight	<b>XR8000r</b> <ul style="list-style-type: none"> <li>Height — 87.05 mm (3.42 inches)</li> <li>Width — 482 mm (18.97 inches) with mount ear</li> <li>— 448 mm (17.63 inches) without mount ear</li> <li>Depth — 430 mm (16.92 inches) cable management to rear wall</li> <li>— 350 mm (13.77 inches) mounting surface to rear wall</li> <li>Weight — 20.05 kg (44.20 pound)</li> </ul>	<b>XR8620t</b> <ul style="list-style-type: none"> <li>Height — 83.28 mm (3.27 inches)</li> <li>Width — 184.8 mm (7.27 inches)</li> <li>Depth — 433.5 mm (17.06 inches)</li> <li>Weight — 6.02 kg (13.27 pound)</li> </ul>	
Form Factor	2U chassis and 2U half-width sled		
Embedded Management	<ul style="list-style-type: none"> <li>iDRAC9</li> <li>iDRAC Direct</li> <li>iDRAC RESTful API with Redfish</li> <li>iDRAC Service Module</li> </ul>		
Bezel	Not supported		
OpenManage Software	<ul style="list-style-type: none"> <li>CloudIQ for PowerEdge plug in</li> <li>OpenManage Enterprise</li> <li>OpenManage Enterprise Integration for VMware vCenter</li> <li>OpenManage Integration for Microsoft System Center</li> </ul>	<ul style="list-style-type: none"> <li>OpenManage Integration with Windows Admin Center</li> <li>OpenManage Power Manager plugin</li> <li>OpenManage Service plugin</li> <li>OpenManage Update Manager plugin</li> </ul>	
Mobility	OpenManage Mobile		
OpenManage Integrations	<ul style="list-style-type: none"> <li>BMC Truesight</li> <li>Microsoft System Center</li> <li>OpenManage Integration with ServiceNow</li> </ul>	<ul style="list-style-type: none"> <li>Red Hat Ansible Modules</li> <li>Terraform Providers</li> <li>VMware vCenter and vRealize Operations Manager</li> </ul>	
Security	<ul style="list-style-type: none"> <li>Cryptographically signed firmware</li> <li>Secure Boot</li> <li>Secure Erase</li> <li>Secured Component Verification (Hardware integrity check)</li> </ul>	<ul style="list-style-type: none"> <li>Silicon Root of Trust</li> <li>System Lockdown (requires iDRAC9 Enterprise or Datacenter)</li> <li>TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ</li> </ul>	
Ports	<b>Front ports</b> <ul style="list-style-type: none"> <li>1 x iDRAC Direct (Micro-AB USB) port</li> <li>1 x USB 3.0</li> <li>1 x Micro USB serial port</li> </ul>	<ul style="list-style-type: none"> <li>1 x Mini-DisplayPort</li> <li>1 x RJ45 iDRAC9 ethernet port</li> <li>1 x RJ45 Alert/Dry contact input connector</li> </ul>	
PCIe	<ul style="list-style-type: none"> <li>1 CPU configuration: Up to 3 PCIe slots: (3 x16 Gen5)</li> </ul>		
Operating System and Hypervisors	<ul style="list-style-type: none"> <li>Red Hat Enterprise Linux</li> <li>SUSE Linux Enterprise Server</li> <li>VMware ESXi</li> </ul>	<ul style="list-style-type: none"> <li>Wind River</li> </ul>	For specifications and interoperability details, see <a href="https://www.dell.com/OSsupport">Dell.com/OSsupport</a> .

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

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