



# PowerEdge XR7620

Short-depth accelerated data center-level compute, purpose-built for the edge

## Dell Technology's short depth enterprise edge server

The new Dell PowerEdge XR7620 is a short-depth 2U, 2-socket server with datacenter-level compute delivering high-performance, high-capacity and reduced latency. Purpose-built for the edge, the PowerEdge XR7620 is designed for the most demanding workloads including industrial automation, video analytics, point of sale analytics, AI inferencing and edge point device aggregation.

## Purpose-built for the Edge

- Built rugged to operate in temperatures from -5°C to 55°C; MIL 810H\* and NEBS Level 3\* tested
- Offers easy serviceability with reversible I/O & power
- Short-depth (472 mm) chassis to fit in space constrained environments
- Withstand dusty and harsh environments with an optional lockable smart filtered bezel for extra physical security

## Datacenter-level compute

- Two Intel® Xeon® Scalable Processors with up to 32 cores per processor for ultimate edge performance
- Integration with PCIe Gen5 doubles the data transfer rate from PCIe Gen4 for faster more efficient data transfer
- Includes latest memory DDR5, 50% memory capacity over DDR4, increasing bandwidth

## Acceleration where it's needed

- Up to two double-wide GPU accelerators to support demanding workloads
- E3 NVME storage utilizes a limited-space design with more storage density, making it ideal for data-intensive workloads at the edge

## 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 countries and backed by our 60K+ employees and partners.

NOTE: \* indicates for limited configurations

### PowerEdge XR7620

The Dell PowerEdge XR7620 is a high-performance server designed and optimized for edge use cases like

- Industrial automation
- Video analytics
- Point of sale analytics
- AI inferencing
- Edge point device aggregation

Feature	Technical Specifications	
Processor	Two 4th Generation Intel® Xeon® Scalable processors with up to 32 cores per processor or Two 5th Generation Intel® Xeon® Scalable processors with up to 16 cores per processor	
Memory	<ul style="list-style-type: none"> <li>16 DDR5 DIMM slots, supports RDIMM 2 TB max, speeds up to 5200 MT/s. Supports registered ECC DDR5 DIMMs only</li> </ul>	
Storage controllers	<ul style="list-style-type: none"> <li>Internal Controllers: PERC H965i, PERC H755, PERC H355, HBA355i</li> <li>Software RAID: S160</li> </ul>	<ul style="list-style-type: none"> <li>Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 1, 2 x M.2 NVMe SSDs (cold swap) or internal USB module</li> </ul>
Drive Bays	Front bays: Up to 4 x 2.5-inch SAS/SATA/NVMe SSD drives, 61.44 TB max, Up to 8 x E3.S NVMe direct drives, 51.2 TB max	
Hot swap redundant Power Supplies	<ul style="list-style-type: none"> <li>1800 W Titanium 200—240 VAC or 240 HVDC</li> <li>1400 W Platinum 100—240 VAC or 240 HVDC</li> <li>1400 W Titanium 277 VAC or 336 VDC</li> </ul>	<ul style="list-style-type: none"> <li>1100 W Titanium 100—240 VAC or 240 HVDC, hot swap redundant</li> <li>1100 W -48 — (-60) VDC</li> </ul>
Cooling Options	<ul style="list-style-type: none"> <li>Air cooling</li> </ul>	
Fans	<ul style="list-style-type: none"> <li>Six cold swap cooling fans</li> </ul>	
Dimensions	Rear Accessed configuration	Front Accessed configuration
	<ul style="list-style-type: none"> <li>Height: 86.8 mm (3.41 inches)</li> <li>Width: 482.6 mm (19 inches)</li> <li>Depth: 448.8 mm (17.6 inches) Ear to rear wall 496.3 mm (19.53 inches) with bezel 471.8 mm (18.57 inches) without bezel</li> </ul>	<ul style="list-style-type: none"> <li>Height: 86.8 mm (3.41 inches)</li> <li>Width: 482.6 mm (19 inches)</li> <li>Depth: 572 mm (22.51 inches) with bezel 471.8 mm (18.57 inches) without bezel</li> </ul>
Weight	Max 21.16 kg (46.64 pounds)	
Form Factor	2U rack server	
Embedded Management	<ul style="list-style-type: none"> <li>iDRAC9, iDRAC Direct, iDRAC RESTful API with Redfish, iDRAC Service Module, NativeEdge Endpoint Orchestrator</li> </ul>	
Bezel	Optional security bezel with dust filter (dust sensor available only for Front Accessed configuration systems)	
OpenManage Software	<ul style="list-style-type: none"> <li>CloudIQ for PowerEdge plug in</li> <li>OpenManage Enterprise</li> <li>OpenManage Power Manager plugin</li> </ul>	<ul style="list-style-type: none"> <li>OpenManage Service plugin</li> <li>OpenManage Update Manager plugin</li> </ul>
Mobility	OpenManage Mobile	
OpenManage Integrations	<ul style="list-style-type: none"> <li>Microsoft System Center</li> <li>OpenManage Integration with Windows Admin Center</li> <li>OpenManage Integration with ServiceNow</li> <li>OpenManage Integration for Microsoft System Center</li> </ul>	<ul style="list-style-type: none"> <li>OpenManage Enterprise Integration for VMware vCenter</li> <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>Data at Rest Encryption (SEDs with local or external key mgmt)</li> <li>Secure Boot</li> <li>Secure Erase</li> </ul>	<ul style="list-style-type: none"> <li>Secured Component Verification (Hardware integrity check)</li> <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>
GPU options	<ul style="list-style-type: none"> <li>Up to four 75 W single-width full-height/half-length + one 75 W low-profile, or</li> <li>Up to two 350 W double-width full-height/full-length</li> </ul>	
Embedded NIC	2 x 1 GbE LOM	
Network options	1 x OCP card 3.0 (optional)	
Ports	For Rear Accessed configuration	For Front Accessed configuration
	<p>Front Ports:</p> <ul style="list-style-type: none"> <li>1 x iDRAC Direct (Micro-AB USB) port, 1 x USB 2.0</li> </ul> <p>Internal Ports:</p> <ul style="list-style-type: none"> <li>1 x USB 3.0 (optional)</li> </ul> <p>Rear Ports:</p> <ul style="list-style-type: none"> <li>1 x USB 2.0, 1 x iDRAC dedicated port, 1 x USB 3.0, 1 x Serial port (optional on slot 5), 1 x VGA</li> </ul>	<p>Front Ports:</p> <ul style="list-style-type: none"> <li>1 x USB 2.0, 1 x iDRAC dedicated port, 1 x USB 3.0, 1 x Serial port (optional on slot 5), 1 x VGA, 1 x iDRAC Direct (Micro-AB USB) port</li> </ul> <p>Internal Ports:</p> <ul style="list-style-type: none"> <li>1 x USB 3.0 (optional)</li> </ul> <p>Rear Ports: NA</p>
PCIe	2 CPU configuration: Up to 5 PCIe slots (4 x16 Gen4/5, 1 x16 LP Gen4)	
Operating System and Hypervisors	<ul style="list-style-type: none"> <li>Microsoft Windows Server with Hyper-V</li> <li>Red Hat Enterprise Linux</li> <li>SUSE Linux Enterprise Server</li> </ul>	<ul style="list-style-type: none"> <li>VMware ESXi</li> <li>Canonical Ubuntu Server LTS</li> <li>Dell NativeEdge OS</li> </ul> <p>For specifications and interoperability details, see <a href="https://www.dell.com/osupport">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://www.dell.com">Dell.com</a> -> Solutions -> OEM Solutions.	

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