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
## Technical Specifications

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<th>Feature</th>
<th>Technical Specifications</th>
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<tr>
<td><strong>Processor</strong></td>
<td>Two 4th Generation Intel® Xeon® Scalable processors with up to 32 cores per processor</td>
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<tr>
<td><strong>Memory</strong></td>
<td>16 DDR5 DIMM slots, supports RDIMM 1 TB max, speeds up to 4800 MT/s. Supports registered ECC DDR5 DIMMs only</td>
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</table>
| **Storage controllers**  | Internal Controllers: PERC H965i, PERC H755, PERC H355, HBA355i  
  Software RAID: S180 |
| **Drive Bays**           | Front bays: Up to 4 x 2.5-inch SAS/SATA/NVMe SSD drives, 61.44 TB max, Up to 8 x E3.5 NVMe direct drives, 51.2 TB max |
| **Hot swap redundant**   | 1800 W Titanium 200—240 VAC or 240 HVDC  
  1400 W Platinum 100—240 VAC or 240 HVDC  
  1100 W Titanium 100—240 VAC or 240 HVDC, hot swap redundant  
  1100 W -48 — (-40) VDC |
| **Cooling Supplies**     | Air cooling |
| **Cooling Options**      | Air cooling |
| **Fans**                 | Six cold swap cooling fans |
| **Dimensions**           | Rear Accessed configuration  
  Front Accessed configuration |
| **Height**               | 86.8 mm (3.41 inches)  
  Height: 86.8 mm (3.41 inches) |
| **Width**                | 482.6 mm (19 inches)  
  Width: 482.6 mm (19 inches)  
  Width: 482.6 mm (19 inches) |
| **Depth**                | 448.8 mm (17.6 inches) Ear to rear wall  
  Depth: 448.8 mm (17.6 inches) |
|                         | 496.3 mm (19.53 inches) with bezel  
  471.8 mm (18.57 inches) without bezel |
| **Weight**               | Max 21.16 kg (46.64 pounds) |
| **Form Factor**          | 2U rack server |
| **Embedded Management**  | iDRAC9, iDRAC Direct, iDRAC RESTful API with Redfish, iDRAC Service Module |
| **Bezel**                | Optional security bezel with dust filter (dust sensor available only for Front Accessed configuration systems) |
| **OpenManage Software**  | CloudIQ for PowerEdge plug in  
  OpenManage Enterprise  
  OpenManage Power Manager plugin  
  OpenManage Service plugin  
  OpenManage Update Manager plugin |
| **Mobility**             | OpenManage Mobile |
| **OpenManage Integrations** | Microsoft System Center  
  OpenManage Integration with Windows Admin Center  
  OpenManage Integration with ServiceNow  
  OpenManage Integration for Microsoft System Center  
  OpenManage Integration for VMware vCenter  
  Red Hat Ansible Modules  
  Terraform Providers  
  VMware vCenter and vRealize Operations Manager |
| **Security**             | Cryptographically signed firmware  
  Data at Rest Encryption (SEDs with local or external key mgmt)  
  Secure Boot  
  Secure Erase  
  Secured Component Verification (Hardware integrity check)  
  Silicon Root of Trust  
  System Lockdown (requires iDRAC9 Enterprise or Datacenter)  
  TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ |
| **GPU options**          | Up to 5 x 75 W (Single Width Full Height/Half Length, Low Profile) GPU or up to 2 x 300 W (Double Width Full Height/Full Length) |
| **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 |
| **Front Ports**          | 1 x iDRAC Direct (Micro-AB USB) port, 1 x USB 2.0 Internal Ports:  
  1 x USB 3.0 (optional)  
  1 x iDRAC Direct port, 1 x USB 3.0, 1 x Serial port (optional on slot 5), 1 x VGA  
  For Front Ports:  
  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  
  Internal Ports:  
  1 x USB 3.0 (optional)  
  1 x USB 3.0 (optional) |
| **PCle**                 | 2 CPU configuration: Up to 5 PCIe slots (4 x16 Gen4/5, 1 x16 LP Gen4) |
| **Operating System and Hypervisors** | Microsoft Windows Server with Hyper-V  
  Red Hat Enterprise Linux  
  SUSE Linux Enterprise Server  
  VMware ESXi  
  Canonical Ubuntu Server LTS |
| **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/OSsupport. |

### APEX Flex on Demand

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