



Introducing the next generation PowerEdge XR2

Available as debranded or rebranded to showcase your company logo on a rugged two-socket rack server that delivers peak performance at the edge.



Innovation and density supporting:

- Virtualization
- Hyper-Converged Infrastructure (HCI)
- Network functions virtualization (NFV)



Supports OEM workloads including:

- Virtualization
- Data analytics
- Software defined storage

OEM Ready		
Showcase your logo, build your brand presence and delight your customers using a tier 1 product.		
Backed by industry proven Security, Manageability and Global Serviceability.		
Security	Manageability	Services
<ul style="list-style-type: none"> • Build on a silicon Root of trust. • Signed firmware and secure boot. • Audit logging and alerts provide robust layers of security. 	<ul style="list-style-type: none"> • iDRAC, our server management controller. • OS agnostic and comprehensive, allowing full leveragability via APIs. 	<ul style="list-style-type: none"> • Backed by globally available ProSupport and ProSupport Plus. • Additional menu of services is also available.

Contact your OEM representative to learn more

POWEREDGE XR2



Debranded or rebranded rugged dual-socket performance that is GPU ready in a 1U rack server.

Deliver breakthrough performance, innovation and density for workloads at the edge

The edge revolution starts with rugged platforms that scale easily and are optimized for application performance. The PowerEdge XR2 is built to perform outside the data center and has a scalable system architecture with GPU flexibility to meet performance demands at the source.

High-level specifications:

- Latest performance in processing with Intel Cascade Lake technology.
- Accelerator support available for fine tuning workload performance.
- Faster storage performance with up to 4 x2.5 NVMe drives.
- Compliant with marine and military grade specifications.

Increase efficiency and accelerate operations with an automated infrastructure

The Dell EMC OpenManage™ systems management portfolio delivers an efficient and comprehensive solution for PowerEdge servers through tailored, automated, and repeatable processes.

- Automate server life cycle management with scripting via the iDRAC Restful API with Redfish conformance.
- Simplify and centralize one to many management with the OpenManage Enterprise console.
- Utilize the OpenManage Mobile app and PowerEdge Quick Sync 2 to easily manage servers using a phone or tablet.
- Resolve issues with up to 72% less IT effort using automated proactive and predictive technology from ProSupport Plus and SupportAssist.**

Fortify your data center with integrated security

Every PowerEdge server is designed with a cyber resilient architecture, integrating security deeply into every phase in the lifecycle, from design to retirement.

- Enhance security with platform enablement of AMD Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV).
- Operate your workloads on a secure platform anchored by cryptographically trusted booting and silicon root of trust.
- Maintain server firmware safety with digitally signed firmware packages.
- Detect and remediate unauthorized or malicious change with drift detection and system lockdown.
- Securely and quickly wipe all data from storage media including hard drives, SSDs and system memory with System Erase.

PowerEdge XR2

The Dell EMC PowerEdge XR2 is a rugged two-socket 1U rack server designed to provide compute outside the data center.

Built to perform in harsh conditions including:

- Extreme temperature
- Shock and vibration
- Electrical disruption
- Sand and dust
- Confined spaces

PowerEdge XR2

Features	Technical Specification	
Processor	Up to two 150W Intel® Xeon® Scalable processors	
Memory	DIMM Speed: Up to 2666MT/s DDR4 DIMMs Memory Type: RDIMMs/LRDIMMs Memory Module Slots: 16 Maximum RAM: Up to 2TB	
Controllers	HW RAID: PERC 9 - HBA330, H330, H730P	
Drive Bays	Front Bays Up to 4 x 2.5" Hot Plug NVMe and 4 x 2.5" SAS/SATA (HDD/SSD) (High Performance Chassis) Up to 8 x 2.5" Hot Plug SAS/SATA (HDD/SSD) InternalDual M.2 Flash Storage Capability	
Power Supplies	Redundant, hot swap 550W Power Supplies and 600W DC Power Supplies available	
Fans	Up to six fans	
Dimensions	Height: 42.80mm (1.68") Width: 434.00mm (17.08") Depth: 548mm (21.4") Weight: 7.8 kg (17.2 lb) *Dimensions do not include bezel or PSU	
Rack Units	1U Rack Server	
Embedded mgmt	iDRAC9 Optional Quick Sync 2 BLE/wireless module IPMI 2.0 compliant	
Bezel	Optional OEM rebranded or debranded bezel Optional OEM rebranded or debranded dust filtration bezel	
OpenManage™ SW	Consoles OpenManage Enterprise OpenManage Enterprise Power Manager Mobility OpenManage Mobile Tools Dell EMC RACADM CLI Dell EMC Repository Manager	Dell EMC System Update Dell EMC Server Update Utility Dell EMC Update Catalogs iDRAC Service Module IPMI Tool OpenManage Server Administrator OpenManage Storage Services
Integrations & Connections	OpenManage Integrations BMC Truesight Microsoft® System Center Redhat® Andible® Modules VMware® vCenter™	OpenManage Connections IBM Tivoli® Netcool/OMNIBus IBM Tivoli® Network Manager IP Edition Micro Focus® Operations Manager I Nagios® Core Nagios® XI
Security	Cryptographically signed firmware Secure Boot Secure Erase	Silicon Root of Trust System Lockdown TPM 1.2/2.0, TCM 2.0 optional
Embedded NIC		
Networking Options (NDC)	2 x 1GbE 2 x 10GbE BT 2 x 10GbE SFP+ 2 x 25GbE SFP28	
GPU Options:	Supports 1 Single-Wide NVIDIA T4 GPU (High Performance Chassis)	

PowerEdge XR2

Features	Technical Specification
Ports	<p>Front Ports:</p> <ul style="list-style-type: none"> 1 x eSATA Port 1 x Dedicated iDRAC direct micro-USB 1 x USB 2.0 1 x Video <p>Rear Ports:</p> <ul style="list-style-type: none"> 2 x 1GbE 1 x Dedicated iDRAC network port 1 x Serial 2 x USB 3.0 1 x Video
Internal	1 x USB 3.0
PCIe	Up to 2 x PCIe Gen 3 slots (x16/x16)
Operating Systems & Hypervisors	<ul style="list-style-type: none"> Canonical® Ubuntu® Server LTS Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi® XenServer
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 .
Recommended support	Dell ProSupport Plus for critical systems or Dell ProSupport for premium hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell representative today for more information. Availability and terms of Dell Services vary by region. For more information, visit Dell.com/ServiceDescriptions
Recommended services	ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/Services .

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.**