Introducing the OEM PowerEdge R940xa

Available as debranded or rebranded to showcase your company logo on a server designed for extreme acceleration.

Acceleration and more:

- Up to 4 DW GPU's and more
- Up to 112 cores and 6TB memory
- Scale storage with up to 32 SSD's

Supports OEM workloads including:

- Compute intensive applications
- AI and ML algorithm

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
• Build on a silicon Root of trust. • Signed firmware and secure boot. • Audit logging and alerts provide robust layers of security.	• iDRAC, our server management controller. • OS agnostic and comprehensive, allowing full leveragability via APIs.	• Backed by globally available ProSupport and ProSupport Plus. • Additional menu of services is also available.

Contact your OEM representative to learn more

POWEREDGE R940xa

Extreme acceleration for Artificial Intelligence and Machine Learning

Rapidly transform data insights into business outcomes with the PowerEdge R940xa. The R940xa accelerates applications with powerful four-socket performance in a scalable 4U design.

Accelerate application performance

The PowerEdge R940xa drives GPU database acceleration to deliver real-time decisions for compute-intensive applications. By combining four CPUs with four GPUs, the R940xa delivers consistent high performance for demanding applications. The R940xa allows you to dynamically scale capacity and performance as your business-critical workloads evolve including:

- Maximizing performance with 2nd Generation Intel® Xeon® Scalable processors, up to 112 cores.
- Choosing up to 4 double-width GPUs or up to 4 double-width or 8 single-width FPGAs for application acceleration.
- Supporting large data sets with up to 48 DIMMs (12 of which can be NVDIMMs) and up to 6TB of memory.
- Scaling on-premise capacity with up to 32 x. 2.5" HDDs/SSDs and up to 4 direct-attached NVMe drives.
- Expanding quickly with up to 12 PCIe slots for external device connections.

Streamline operations with Dell EMC OpenManage

The Dell EMC OpenManage™ portfolio helps simplify IT operations across your data center, delivering intelligent, automated management of routine tasks. Combined with unique agent-free management capabilities, the R940xa is simply managed, freeing up time for high profile projects.

- Utilize a variety of OpenManage integrations and connections to take advantage of your existing IT management platform.
- Take advantage of QuickSync 2 capabilities and gain access to your servers easily through your phone or tablet.

Deliver comprehensive data center protection with built-in security

Every PowerEdge server is made with a cyber-resilient architecture, delivering security into all parts of a server's life cycle. The R940xa uses these new security features so you can reliably and securely deliver the right data to where your customers are, no matter where they are. Dell EMC considers each part of system security, from design to end of life, to ensure trust and deliver worry-free systems. Rely on a secure component supply chain to ensure protection from factory to the data center.

- Maintain data safety with cryptographically signed firmware packages and Secure Boot.
- Prevent unauthorized or malicious change with Server Lockdown.
- Wipe all data from storage media including hard drives, SSDs and system memory quickly and securely with System Erase.
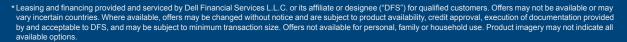
PowerEdge R940xa

Combines four CPUs with four GPUs in a powerful 1:1 ratio to drive database acceleration

PowerEdge R940xa

Features	Technical Specification	
Processor	Up to four 2nd Generation Intel® Xeon® Scalable processors, up to 28 cores each	
Memory	48 DDR4 DIMM slots, Supports RDIMM /LRDIMM, up to 2933MT/s, 6TB max Up to 12 NVDIMMs, 384GB Max Supports registered ECC DDR4 DIMMs only	
Storage controllers	Internal Controllers: PERC H730P, H740P, H330 Software RAID (SWRAID) S140 Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 240GB or 480GB External PERC (RAID): H840 12Gbps SAS HBAs (non-RAID): External-12Gbps SAS HBA (non-RAID). Internal-HBA330 (non-RAID)	
Drive bays	Front drive bays: Up to 8x 2.5" SAS SATA (HDD/SSD) max 61.44TB, or up 24 x 2.5" SAS/SATA (HDD/SSD) max 184.32TB, or up to 32 SAS/SATA (HDD/SSD) with up to 4 NVME PCIe SSD max 245.76TB	
Power supplies	Gold 1100W -48VDC Platinum: 1100W, 1100W 240VDC[1] 1600W, 2000W, 2400W	Hot plug power supplies with full redundancy option 6 hot plugs fans with N +1 redundancy
Dimensions	Form factor: Rack (4U)	Height: 174.3 mm (6.87") Width: 441.16 mm (17.37") Depth: 835.9mm (32.9") Weight: 56.0kg (123.5lbs.) *Dimensions do not include bezel
Embedded management	iDRAC9 iDRAC Direct	iDRAC RESTful API with Redfish Quick Sync 2 BLE/wireless
Bezel	Optional LCD bezel or security bezel	
OpenManage™ Software	OpenManage Enterprise OpenManage Essentials	OpenManage Mobile OpenManage Power Center
Integrations and connections	Integrations: Microsoft® System Center, VMware® vCenter™, BMC Truesight, Red Hat® Ansible® Modules	Connections: Nagios® Core & Nagios® XI, Microfocus Operations Manager I, IBM Tivoli Netcool/OMNIbus
Tools	Dell EMC Repository Manager Dell EMC Update Package Dell EMC System Update Dell EMC Server Update Utility	iDRAC Service Module OpenManage Server Administrator OpenManage Storage Services
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Secure Boot	Secure Boot System Lockdown (requires OpenManage Enterprise) Silicon Root of Trust Secure Erase
I/O & Ports	Network Daughter Card Options 4 x 1GbE, 4 x 10GbE, 2 x 10GbE+2 x 1GbE, or 2 x 25GbE Front ports: 1 x Dedicated iDRAC Direct Micro-USB, 2 x USB 2.0, 1 x VGA. (Optional 1 x USB 3.0 only offered on the 8-drive configuration)	Rear ports: 1 x Dedicated iDRAC port, 1 x Serial, 2 x USB 3.0, 1 x VGA Internal port: 1 x USB 3.0 Video card: 2 x VGA PCIe: Up to 12 x Gen3 slots, (6x16 slots or 2x16 + 10x8 slots)
Accelerator Options	Up to 4 doublewidth GPUs or up to 4 double-width or 8 single-width full-height FPGAs	See Dell.com/GPU for latest information.
Supported operating systems	Canonical® Ubuntu® LTS Citrix® Hypervisor Oracle® Linux Microsoft Windows Server® LTSC with Hyper-V Red Hat® Enterprise Linux	SUSE® Linux Enterprise Server VMware® ESXi 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.	
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.	

[1] Available in China only.

Learn more at Dell.com/PowerEdge

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 EMC for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell EMC Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services TM has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.*