



PowerEdge R740xd2

Enterprise Content Server

Bring compute closer to storage with the R740xd2 to deliver fast response times. Large internal storage lets you keep your data safely on premise.

Respond effectively to data growth

The R740xd2 offers flexible capacity and performance resources to address data-intensive workloads like media streaming, software-defined storage and Microsoft Exchange. Meet increasing business and storage demands with a high-capacity, space-saving 2U design.

- Support large data sets like high-definition videos or large mailboxes with up to 26 3.5" drives
- Drive consistent performance results with up to two Intel® Xeon® Scalable processors
- Tier data from 3.5" HDDs to 2.5" SSDs to balance performance and cost
- Help eliminate bottlenecks with fast networking options and up to 16 DIMMs of memory
- Easily expand with up to 5 PCIe slots

Simplify data center management

The Dell EMC OpenManage™ portfolio helps simplify IT operations across your data center, even as your data grows exponentially. OpenManage Enterprise automates and unifies server and internal storage management across your PowerEdge infrastructure.

- Rapidly deploy configurations matching unique workload requirements on multiple bare-metal servers
- Provide full lifecycle management including firmware updates, predictive diagnostics and automated issue resolution
- Show status and set alerts for all attached physical and virtual disks through an intuitive interface
- Use OpenManage Integrations to easily manage your PowerEdge servers within third party management consoles including VMware vCenter or Microsoft System Center (SC)

Help maximize uptime and deliver comprehensive data center protection

Dell EMC provides a cyber-resilient architecture with security embedded into every server to protect your data. High availability features help facilitate continuous operations.

- Minimize disruptions with 24 front-serviceable, hot-swappable, validated drives that offer enterprise-class reliability and extensive warranty options
- Prevent unauthorized or malicious changes with secure passwords, alerts and event logging
- Maintain data safety across your server, storage drives and RAID controllers with authenticated, signed firmware

Balance capacity and performance demands

- Store up 364TB in a 2U rack server
- Avoid streaming delays with two-socket performance
- Scale-out to 7.2PB (520 drives) in a 42U

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Features	Technical Specification	
Processor	Up to two Intel® Xeon® Scalable processors, up to 22 cores each	
Memory	16 DDR4 RDIMM slots, up to 2666MT/s, 512GB max Supports registered ECC DDR4 DIMMs only	
Storage Controllers	Internal Controllers: PERC H730P, H330, Software RAID (SWRAID) S140 Boot Optimized Storage Subsystem: HWRAID 2 x M.2 SSDs 240GB or 480GB 12Gbps SAS HBAs (non-RAID): Internal- HBA330 (non-RAID)	
Drive Bays	Front drive bays: Up to 24 x 3.5" SAS/SATA (HDD) max 336TB, or up to 16 x 3.5" SAS/SATA (HDD) plus up to 8 x 2.5" SAS/SATA (SSD)* max 285.44TB Rear drive bays: Up to 2 x 3.5" SAS/SATA (HDD) max 28TB or up to 2 x 2.5" SAS/SATA (SSD)* max 15.36TB	
Power Supplies	Platinum: 750W or 1100W HVDC: 750W or 1100W	Hot plug power supplies with full redundancy option 6 fans with N +1 redundancy
Dimensions	Form factor: Rack (2U)	Chassis Width: 448mm Chassis Depth: 810mm Chassis Weight: 40kg (These metrics do not include the PSU handle, rack latches or the bezel.)
Embedded management	iDRAC9 with Lifecycle Controller iDRAC Direct iDRAC RESTful API with Redfish	
Bezel	Optional security bezel	
OpenManage™ Software	OpenManage Enterprise OpenManage Essentials	OpenManage Power Center OpenManage Mobile
Integrations and connections	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight (available from BMC) Red Hat Ansible	Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNibus
Tools	iDRAC Service Module OpenManage Server Administrator Dell EMC Repository Manager Dell EMC System Update	Dell EMC Server Update Utility Dell EMC Update Catalogs Dell EMC RACADM CLI IPMI Tool
Security	TPM 1.2/2.0, TCM 2.0 optional Cryptographically signed firmware Silicon Root of Trust	Secure Boot System Lockdown (requires OpenManage Enterprise) Secure Erase
I&O and Ports	Network options 2 x1GbE BaseT LOM + (optional LOM riser) 2 x 1Gb BaseT or 2 x10GbE SFP+ or 2x 10GbE BaseT or 2x 25GbE SPF+ Front ports: 1 x USB 3.0, 1 managed (micro-usb), dedicated iDRAC Direct USB.	Rear ports: Video, serial, iDRAC dedicated LAN, 2 x USB 3.0 Internal ports: 1 x USB 3.0 Video card: VGA PCIe: Up to 5 x Gen3 slots (x16)
Supported operating systems	Canonical® Ubuntu® LTS Citrix® XenServer® Microsoft Windows Server® 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	ProSupport Plus for critical systems or ProSupport for comprehensive hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell EMC representative today for more information. Availability and terms of Dell EMC Services vary by region. For more information, visit Dell.com/ServiceDescriptions .	

*Note 2.5" drives use hybrid carrier to fit in 3.5" drive bay.

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™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell EMC Sales Representative for more information.*

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