



# 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 Dell EMC PowerEdge R740xd2 gives you the capacity to grow and helps you save space in a 2U rack. Flexible storage and performance options help you meet increasing business and data demands.

- Support large data sets like high-definition videos, SDS or large mailboxes with up to 26 3.5” drives.
- Drive consistent performance results with up to two 2<sup>nd</sup> Generation Intel® Xeon® Scalable processors.
- Balance performance and cost by choosing a combination of SSDs and HDDs.
- Minimize delays 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 you spend less time on routine maintenance so you can focus on other priorities.

- Rapidly deploy configurations with your unique requirements on multiple servers.
- Provide full lifecycle management including firmware updates and automated issue resolution.
- Show status and set alerts for all attached physical and virtual disks through a single interface.
- Easily integrate with VMware vCenter or Microsoft System Center (SC).

### Help maximize uptime and deliver comprehensive data center protection

Every PowerEdge server is made with a cyber-resilient architecture, delivering security into all parts of a server’s life cycle. The R740xd2 uses these features so you can reliably and securely deliver the right data to where your customers are, no matter where they are.

- 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 to 416TB in a 2U rack server
- Avoid streaming delays with two-socket performance
- Scale-out to 8.3PB (520 drives) in a 42U

# PowerEdge R740xd2

Features	Technical Specification	
Processor	Up to two 2 <sup>nd</sup> Generation Intel® Xeon® Scalable processors, up to 22 cores each	
Memory	16 DDR4 RDIMM slots, up to 2666MT/s, 1TB max Supports registered ECC DDR4 DIMMs only	
Storage Controllers	Internal Controllers: PERC H330, H730P, HBA330 External Controllers (RAID): 12Gbps SAS HBA Software RAID:S140	
Internal Boot	Boot Optimized Storage Subsystem (BOSS):HWRAID 2 x M.2 SSDs 240GB, 480GB Internal Dual SD Module <sup>1</sup>	
Drive Bays	Front drive bays: Up to 24 x 3.5" SAS/SATA (HDD) max 384TB, or up to 16 x 3.5" SAS/SATA (HDD) plus up to 8 x 2.5" SAS/SATA (SSD) <sup>2</sup> max 317.44TB Rear drive bays: Up to 2 x 3.5" SAS/SATA (HDD) max 32TB or up to 2 x 2.5" SAS/SATA (SSD)* max 15.36TB	
Power Supplies	750W Platinum 750W 240VDC Platinum 1100W Platinum 1100W 380VDC Platinum	Hot plug power supplies with full redundancy option 6 fans with N +1 redundancy
Dimensions	Form factor: Rack (2U)	Height: 86.8mm (3.4") Width: 448.0mm (17.6") Depth: 810.0mm (31.9") Weight: 40.0kg (88.2lbs) *Dimensions do not include the PSU handle, rack latches or bezel
Embedded management	iDRAC9, iDRAC RESTful API with Redfish, iDRAC Direct	
Bezel	Optional security bezel	
OpenManage™ Software	OpenManage Enterprise, OpenManage Power Center, OpenManage Mobile	
Integrations and connections	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight Red Hat Ansible Modules	Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNIBus IBM Tivoli® Network Manager IP Edition
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	
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 x 1GbE BaseT LOM + (optional LOM riser) 2 x 1GbE BaseT or 2 x10GbE SFP+ or 2 x 10GbE BaseT or 2x 25GbE SPF+ or 2 x 16Gb Fibre Channel 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 (3 x16 + 2 x4)
Supported operating systems	Canonical® Ubuntu® LTS Citrix® Hypervisor Microsoft® Windows Server® LTSC with Hyper-V Oracle® Linux	Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi For specifications and interoperability details, see <a href="http://Dell.com/OSsupport">Dell.com/OSsupport</a>
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="http://Dell.com/OEM">Dell.com/OEM</a> .	
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 <a href="http://Dell.com/ServiceDescriptions">Dell.com/ServiceDescriptions</a> .	

<sup>1</sup> ESXi (only OS supported)

<sup>2</sup> 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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