



Dell PowerEdge R440 Server Datasheet



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Leading Network Hardware Supplier

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OVERVIEW

The PowerEdge R440 delivers the perfect combination of performance and density for HPC and web-tech deployments with a feature set right-sized for scale-out infrastructure environments.

Figure 1. Dell PowerEdge R440 Server



FEATURES

Deliver performance at scale with the Dell EMC PowerEdge portfolio

Modern compute platforms from Dell EMC easily scale and leverage key technologies to maximize application performance. The PowerEdge R440 is built on a scalable architecture that provides the choice and flexibility to optimize performance and density.

- Scale compute resources with 2nd Generation Intel® Xeon® Scalable processors, and tailor performance based on your unique workload requirements.
- Flexible storage with up to 10 x 2.5 SAS/SATA/SSD with up to 4 NVMe PCIe SSD's or 4 x 3.5.
- Free up storage with boot optimized M.2 SSDs.

Intuitive systems management with intelligent automation

The Dell EMC OpenManage™ portfolio helps deliver peak efficiency for PowerEdge servers, delivering intelligent, automated management of routine tasks. Combined with unique agent-free management capabilities, the R440 is simply managed, freeing up time for high profile projects.

- Simplify management of your servers with OpenManage Essentials, a 1:many console that automates all phases of lifecycle management: deployment, updates, monitoring, and maintenance.
- Use Quick Sync 2, a wireless module, and the OpenManage Mobile app for at-server management, to configure or troubleshoot in the data center, and to receive alerts when you're on the go.

Rely on PowerEdge with built-in security

Every PowerEdge server is made with a cyber-resilient architecture, building security into all parts of a server's life cycle. The R440 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 consider each part of system security, from design to end of life, to ensure trust and deliver worry-free, secure systems.

- Rely on a secure supply chain that protects servers 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.

SPECIFICATION

Specification	Dell PowerEdge R440 Server
Processor	Up to two 2 nd Generation Intel® Xeon® Scalable processors, up to 24 cores per processor
Memory	16 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666MT/s, 1TB max
Storage controllers	Internal Controllers: PERC H330, H730P, H740P, HBA330 External Controllers: H840, 12 Gbps SAS HBA Software RAID:S140 Boot Optimized Storage Subsystem (BOSS):HWRAID 2 x M.2 SSDs 240GB, 480GB Internal Dual SD Module

Drive bays	<p>Front drive bays: Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD max 76.8TB or</p> <p>up to 4 x 3.5 SAS/SATA HDD max 64TB</p> <p>Optional DVD-ROM, DVD+RW</p>
Power supplies	<p>Bronze 450W (Cabled PSU), Platinum 550W (Hot plug PSU with full redundancy option)</p> <p>Up to six cabled fans</p>
Dimensions	<p>Form factor: Rack (1U) Height: 42.8mm (1.68")</p> <p>Width*: 434mm (17.08")</p> <p>Depth*: 714.62mm (28.13")</p> <p>Weight: 17.6kg (38.9lbs.)</p> <p>*Dimensions do not include bezel</p>
Bezel	Optional LCD or security bezel
Embedded / At-Server	<p>iDRAC9</p> <p>iDRAC Direct</p> <p>iDRAC REST API with Redfish</p> <p>Quick Sync 2 BLE/wireless module</p>
Consoles & Mobile	<p>OpenManage Enterprise</p> <p>OpenManage Essentials</p> <p>OpenManage Mobile</p> <p>OpenManage Power Center</p>
Integrations	OpenManage integrations: Microsoft® System Center, VMware®

	vCenter™, BMC Truesight, Red Hat® Ansible® Modules
Connections	OpenManage connections: Nagios® & Nagios® XI, IBM Tivoli Netcool/OMNibus, Micro Focus Operations Manager I
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, TCM 2.0 optional Cryptographically signed firmware Silicon Root of Trust Secure Boot System Lockdown (requires OpenManage Enterprise) System Erase
I/O & Ports	Network options 2 x 1GbE LOM + (optional) LOM Riser 2 x 1GbE or 2x 10GbE SFP+ or 2 x 10GbE BaseT Front ports: 1 x Dedicated iDRAC Direct USB, 1 x USB 2.0, 1 x USB 3.0 (Optional), 1 x Video Rear ports: 1 x Dedicated iDRAC network port, 1 x Serial, 2 x USB 3.0, 1 x Video

	Up to 2 x PCIe Gen 3 slots all x16
Supported operating systems	<p>Canonical® Ubuntu® Server LTS</p> <p>Citrix® Hypervisor</p> <p>Microsoft Windows Server® LTSC with Hyper-V</p> <p>Red Hat® Enterprise Linux</p> <p>SUSE® Linux Enterprise Server</p> <p>VMware® ESXi</p>
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.
Recommended support	<p>Choose 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.</p>

ORDERING INFORMATION

Configured Models

[Dell 1U R440 3204/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 3204/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell 1U R440 4208/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 4208/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell 1U R440 4210/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 4210/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell 1U R440 4214/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 4214/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell 1U R440 4216/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 4216/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell 1U R440 5218/8G*1/600G SAS 10K*1/H330/DVD/450W*1/3.5-4](#)

[Dell 1U R440 5218/8G*1/600G SAS 10K*1/H330/DVD/550W*2/3.5-4](#)

[Dell PowerEdge R440 3104/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 3104/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

[Dell PowerEdge R440 3106/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 3106/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

[Dell PowerEdge R440 4110/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 4110/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

[Dell PowerEdge R440 4114/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 4114/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

[Dell PowerEdge R440 5115/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 5115/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

[Dell PowerEdge R440 5118/8G/600G SAS 10K/H330/DVDRW/2*550W/3.5-4 Server](#)

[Dell PowerEdge R440 5118/8G/600G SAS 10K/H330/DVDRW/450W/3.5-4 Server](#)

WHERE TO BUY

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

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SOURCES

https://i.dell.com/sites/csdocuments/Shared-Content_data-Sheets_Documents/en/powerededge-r440-spec-sheet.pdf