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 R640 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.

PowerEdge R440

- 1U, 2 socket server
- Up to 10 2.5 drives with up to 4 NVMe
- Internal M.2 boot drives
### PowerEdge R440

<table>
<thead>
<tr>
<th>Features</th>
<th>Technical Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Up to two 2nd Generation Intel® Xeon® Scalable processors, up to 24 cores per processor</td>
</tr>
<tr>
<td>Memory</td>
<td>16 DDR4 DIMM slots, Supports RDIMM/LRDIMM, speeds up to 2666MT/s, 1TB max¹</td>
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</tbody>
</table>
| 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 Module² |
| Internal Boot | Boot Optimized Storage Subsystem (BOSS): HWRAID 2 x M.2 SSDs 240GB, 480GB |
| Drive bays | Front drive bays: Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 4 NVMe SSD max 76.8TB or up to 4 x 3.5 SAS/SATA SSD max 64TB  
Optional DVD-ROM, DVD+RW |
| Power supplies | Bronze 450W (Cabled PSU), Platinum 550W (Hot plug PSU with full redundancy option) |
| Fans | Up to six fans |
| Sizing | Form factor: Rack (1U)  
Height: 42.8mm (1.68")  
Width*: 434mm (17.08")  
Depth*: 714.62mm (28.13")  
Weight: 17.6kg (38.9lbs.)  
*Dimensions do not include bezel |
| Bezel | Optional LCD or security bezel |
| Embedded / At-Server | iDRAC9  
IDRAC Direct |
| Consoles & Mobile | OpenManage Enterprise  
OpenManage Essentials  
OpenManage Mobile  
OpenManage Power Center |
| 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  
Dell EMC Integrated Dell Remote Access Controller (iDRAC)  
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 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 | Canonical® Ubuntu® Server LTS  
Citrix® Hypervisor  
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 and services | 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. For more information, visit dell.com/lifecycleservices. |
| Dell Financial Services | Deliver results with easy financing. Explore financial options that move at the speed of business.  

¹ 768GB max memory is recommended for performance optimized configurations
² ESXi (only OS supported)

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