PowerEdge R6525

Ideal for High Performance Dense-Computing environments

The Dell EMC PowerEdge R6525 Rack Server is a highly configurable, dual-socket 1U rack server that delivers outstanding balanced performance and innovations for dense compute environments to address traditional and emerging workloads and applications.

Deliver breakthrough performance, innovation and density for traditional and emerging workloads

The new Dell EMC PowerEdge R6525 is a highly configurable, dual-socket 1U rack server that delivers outstanding balanced performance and innovation for dense compute environments. It’s ideal for traditional and emerging workloads and applications. High-level features include:

- 64 processing cores and faster data transfer speeds with PCIe Gen 4
- Up to 3200MT/s memory speed to reduce latency and deliver faster response
- Multi GPU support to accelerate end user VDI performance
- Highest core count PE 1U server with cryptographic isolation between hypervisor and VMs

Increase efficiency and accelerate operations with an automated infrastructure

The Dell EMC OpenManage™ systems management portfolio delivers an efficient and comprehensive solution for PowerEdge servers through tailored, automated, and repeatable processes.

- Automate server life cycle management with scripting via the iDRAC Restful API with Redfish conformance.
- Simplify and centralize one to many management with the OpenManage Enterprise console.
- Utilize the OpenManage Mobile app and PowerEdge Quick Sync 2 to easily manage servers using a phone or tablet.
- Resolve issues with up to 72% less IT effort using automated proactive and predictive technology from ProSupport Plus and SupportAssist.**

Fortify your data center with integrated security

Every PowerEdge server is designed with a cyber resilient architecture, integrating security deeply into every phase in the lifecycle, from design to retirement.

- Enhance security with platform enablement of AMD Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV).
- Operate your workloads on a secure platform anchored by cryptographically trusted booting and silicon root of trust.
- Maintain server firmware safety with digitally signed firmware packages.
- Detect and remediate unauthorized or malicious change with drift detection and system lockdown.
- Securely and quickly wipe all data from storage media including hard drives, SSDs and system memory with System Erase.

## PowerEdge R6525

### Features

<table>
<thead>
<tr>
<th>Processor</th>
<th>Two 2nd or 3rd Generation AMD EPYC™ Processors with up to 64 cores per processor</th>
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</thead>
</table>
| Memory | Up to 32 x DDR4  
Maximum RAM  
RDIMM 2 TB  
LRDIMM 4TB Max  
Bandwidth up to 3200 MT/S |
| Availability | Hot plug redundant Hard drives, Fans, PSUs |
| Controllers | PERC 10.5 – HBA345, H345, H745, H840, 12G SAS HBA  
PERC 11 – H755, H755N  
Chipset SATA/SW RAID (S150): Yes |
| Drive Bays | Front Bays  
Up to 4 x 3.5” hot plug SAS/SATA (HDD)  
Up to 8 x 2.5” hot plug SAS/SATA (HDD)  
Up to 12 x 2.5” (10 Front + 2 Rear) hot plug SAS/SATA/NVMe  
Optional Internal: 2 x M.2 (BOSS)  
Optional Rear: 2 x M.2 (BOSS-S2) |
| Power Supplies | 800W Platinum  
1400W Platinum  
1100W Titanium |
| Fans | Hot plug Fans |
| Dimensions | Height: 42.8mm (1.7”)  
Width: 434.0mm (17.1”)  
Depth: 736.54mm (29”)  
Weight: 21.8kg (48.06lbs) |
| Rack Units | 1U Rack Server |
| Embedded mgmt | iDRAC9  
iDRAC RESTful API with Redfish  
iDRAC Direct  
Quick Sync 2 BLE/wireless module |
| Bezel | Optional LCD bezel or security bezel |
| OpenManage™ SW | OpenManage Enterprise  
OpenManage Enterprise Power Manager  
OpenManage Mobile |
| Integrations & Connections | OpenManage Integrations  
BMC Truesight  
Microsoft® System Center  
Redhat® Ansible® Modules  
VMware® vCenter™  
OpenManage Connections  
IBM Tivoli® Netcool/OMNibus  
IBM Tivoli® Network Manager IP Edition  
Micro Focus® Operations Manager I  
Nagios® Core  
Nagios® XI |
| Security | Cryptographically signed firmware  
Secure Boot  
Secure Erase  
Silicon Root of Trust  
System Lockdown  
TPM 1.2/2.0, TCM 2.0 optional |
| Embedded NIC | 2 x 1 GbE LOM ports |
| Networking Options (NOC) | OCP x16 Mezz 3.0 + 2 x 1GE LOM |
| GPU Options | Up to 2 Single-Wide GPU |
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<table>
<thead>
<tr>
<th>Features</th>
<th>Technical Specification</th>
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<tbody>
<tr>
<td><strong>Ports</strong></td>
<td><strong>Front Ports:</strong> 1 x Dedicated iDRAC direct micro-USB, 1 x USB 2.0, 1 x VGA</td>
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<tr>
<td></td>
<td><strong>Rear Ports:</strong> 1 x Dedicated iDRAC network port, 1 x Serial (optional), 1 x USB 3.0, 1 x VGA</td>
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<td></td>
<td><strong>PCIe</strong> 3 x Gen4 slots (x16) at 16GT/s</td>
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<tr>
<td><strong>Operating Systems &amp; Hypervisors</strong></td>
<td>Canonical® Ubuntu® Server LTS, Citrix® Hypervisor™, Microsoft® Windows Server® with Hyper-V, Red Hat® Enterprise Linux, SUSE® Linux Enterprise Server, VMware® ESXi®</td>
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<td><strong>OEM-ready version available</strong></td>
<td>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.</td>
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<tr>
<td><strong>Recommended support</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Recommended services</strong></td>
<td>ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/Services.</td>
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**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 for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and 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 Sales Representative for more information.**

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