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

Data center evolution starts with modern platforms that scale easily and are optimized for application performance. The PowerEdge R7515 is built upon a scalable system architecture and provides choice and flexibility to meet performance demands. High-level specifications:

- 100% more processing cores and faster data transfer speeds with PCIe Gen 4
- 20% more memory performance for scale out environments
- Direct connect SAS/SATA/ NVMe for vSAN Ready Nodes
- High core count performance for highest VM density in a single-socket design
- Multi-die architecture offers low latency and floating-point performance for Big Data and Containers

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 R7515

The Dell EMC PowerEdge R7515 Rack Server is a highly scalable single-socket 2U rack server that delivers performance and outstanding TCO. It is ideal for the following workloads and applications:

- Software-Defined Storage (SDS)
- Virtualization
- Data Analytics

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1 Based on Dell Internal analysis, August 2019
2 Based on Dell Internal analysis, August 2019
# PowerEdge R7515

## Features

<table>
<thead>
<tr>
<th></th>
<th>Technical Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Processor</strong></td>
<td>One 2nd or 3rd Generation AMD EPYC™ Processor with up to 64 cores</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>DDR4: Up to 16 x DDR4 RDIMM (1TB), LRDIMM (2TB), bandwidth up to 3200 MT/S</td>
</tr>
</tbody>
</table>
Chipset SATA/SW RAID(S150): Yes |
| **Drive Bays** | Front Bays:  
Up to 8 x3.5” Hot Plug SATA/SAS HDDs  
Up to 12x 3.5” hot-plug SAS/SATA HDDs  
Up to 24x 2.5” Hot Plug SATA/SAS/NVMe  
Rear Bays:  
Up to 2x 3.5” hot-plug SAS/SATA HDDs  
Internal: 2 x M.2 (BOSS) |
| **Power Supplies** | 750W Titanium  
750W Platinum  
1100W Platinum  
1600W Platinum |
| **Fans** | Standard/High Performance Fan  
N+1 Fan redundancy |
| **Dimensions** | Height: 86.8mm (3.42”)  
Width: 434.0mm (17.09”)  
Depth: 647.1mm (25.48”)  
Weight: 27.3 kg (60.19 lb) |
| **Rack Units** | 2U Rack Server |
| **Embedded mgmt** | iDRAC9  
IDRAC RESTful API with Redfish  
IDRAC Direct  
Quick Sync 2 BLE/wireless module |
| **Bezel** | Optional LCD or Security Bezel |
| **OpenManage™ SW** | **Consoles**  
OpenManage Enterprise  
OpenManage Enterprise Power Manager  
**Mobility**  
OpenManage Mobile  
**Tools**  
Dell EMC RACADM CLI  
Dell EMC Repository Manager  
**Security**  
Cryptographically signed firmware  
Secure Boot  
Secure Erase  
**Integrations & Connections**  
OpenManage Integrations  
BMC Truesight  
Microsoft® System Center  
Redhat® Ansible® Modules  
VMware® vCenter™  
**Networking Options (NDC)** | Dell EMC System Update  
Dell EMC Server Update Utility  
Dell EMC Update Catalogs  
iDRAC Service Module  
IPMI Tool  
OpenManage Server Administrator  
OpenManage Storage Services  
OpenManage Connections  
IBM Tivoli® Netcool/OMNibus  
IBM Tivoli® Network Manager IP Edition  
Micro Focus® Operations Manager I  
Nagios® Core  
Nagios® XI  
Silicon Root of Trust  
System Lockdown  
TPM 1.2/2.0, TCM 2.0 optional  
Up to 2 x 1GbE  
2 x 10GbE BT  
2 x 10GbE SFP+  
2 x 25GbE SFP28  
Up to 4 Single-Wide GPU(T4); Up to 1 Full-Height FPGA |
## PowerEdge R7515

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<tr>
<td><strong>Ports</strong></td>
<td><strong>Front Ports:</strong> 1 x Dedicated iDRAC direct micro-USB 2 x USB 2.0 1 x Video  \   <strong>Rear Ports:</strong> 2 x 1GbE 1 x Dedicated iDRAC network port 1 x Serial 2 x USB 3.0 1 x Video</td>
</tr>
<tr>
<td><strong>PCIe</strong></td>
<td><strong>Up to 4:</strong> 2 x Gen3 slots 2 x16 2 x Gen4 slots 2 x16</td>
</tr>
<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>
</tr>
<tr>
<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 <a href="https://www.dell.com/oem">Dell.com/OEM</a>.</td>
</tr>
<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. For more information, visit <a href="https://www.dell.com/service_descriptions">Dell.com/ServiceDescriptions</a>.</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 <a href="https://www.dell.com/services">Dell.com/Services</a>.</td>
</tr>
</tbody>
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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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