



# POWEREDGE R7525

## Unprecedented Performance

The new Dell EMC PowerEdge R7525 Rack Server is a highly adaptable rack server that delivers powerful performance and flexible configurations.

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

- 100%<sup>1</sup> more processing cores and faster data transfer speeds with PCIe Gen 4
- 20%<sup>2</sup> more memory performance for scale out environments
- Maximized storage and memory configuration option enables HPC, ML/DL/AI and rendering
- 24 direct connect Gen4 NVMe supports all flash vSAN Ready Node
- Balanced core count and GPU to support for maximum numbers of end users

### 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.<sup>3</sup>

### Fortify your data center with integrity

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 R7525

The new Dell EMC PowerEdge R7525 Rack Server is a highly adaptable rack server that delivers powerful performance and flexible configurations. It is ideal for traditional and emerging workloads and applications like:

- Data Analytics
- All Flash SDS
- VDI

<sup>1</sup> When compared to Dell EMC PowerEdge R7425 server

<sup>2</sup> When compared to Dell EMC PowerEdge R7425 server

<sup>3</sup> Based on June 2018 Principled Technologies Report commissioned by Dell EMC, "Save time and IT effort resolving server hardware issues with ProSupport Plus and SupportAssist", compared to Basic Warranty without SupportAssist. Actual results will vary. Full report: <http://facts.pt/olccpk>

## PowerEdge R7525

Features	Technical Specifications
Processor	Two 2 <sup>nd</sup> Generation AMD EPYC™ Processors with up to 64 cores per processor
Memory	DDR4: Up to 32 x DDR4 RDIMM (2TB), LRDIMM (4TB), bandwidth up to 3200 MT/S
Controllers	HBA345, PERC H345, PERC H745, H840, 12Gbps SAS HBA Chipset SATA/SW RAID(S150): Yes
Storage	<b>Front Bays:</b> Up to 24 x 2.5" with up to 24 NVMe, SAS/SATA (SSD/HDD) Up to 12 x 3.5" SAS/SATA (HDD) <b>Rear Bays:</b> Up to 2 x 2.5" SAS/SATA (HDD/SSD)
Power Supplies	800W Platinum 1400W Platinum 2400W AC/HVDC
Fans	Standard/High Performance/Very High Performance Hot Plug Fans
Dimension	86.8mm (3.42") 434.0mm (17.09") 736.29mm (28.99")
Rack Units	2U Rack Server
Embedded Management	iDRAC9 iDRAC RESTful API with Redfish iDRAC Direct Quick Sync 2 BLE/wireless module
Bezel	Optional LCD bezel or security bezel
OpenManage™ Software	OpenManage Enterprise OpenManage Enterprise Power Manager OpenManage Mobile
Integrations & Connections	<b>OpenManage Integrations</b> BMC Truesight Microsoft® System Center RedHat® Ansible® Modules VMware® vCenter <b>OpenManage Connections</b> 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 (requires OpenManage Enterprise) TPM 1.2/2.0, TCM 2.0 optional AMD Secure Memory Encryption (SME) AMD Secure Encrypted Virtualization (SEV)
Embedded NIC	2 x 1GE LOM
Networking Options	OCP x16 Mezz 3.0
GPU Options	Up to three double wide 300W or six single wide 75W accelerators

Ports	<b>Front Ports</b> 1 x Dedicated iDRAC micro-USB 1 x USB 2.0 1 x VGA  <b>Internal Ports</b> 1 x USB 2.0	<b>Rear Ports</b> 1 x USB 2.0 1 x Serial (optional) 1 x USB 3.0 1 x Ethernet 1 x VGA 1 x Power Button
PCIe	Up to 8 x PCIe Gen4 slots	
Operating System & Hypervisors	Canonical® Ubuntu® LTS Citrix® Hypervisor Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi®	
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 and services	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 <a href="http://Dell.com/ServiceDescriptions">Dell.com/ServiceDescriptions</a>	
Recommended services	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="http://Dell.com/Services">Dell.com/Services</a> .	
Dell Financial Services	Deliver results with easy financing. Explore financial options that move at the speed of business. For more information, visit <a href="https://www.emc.com/products/how-to-buy/global-financial-services/index.htm">https://www.emc.com/products/how-to-buy/global-financial-services/index.htm</a>	

### 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 Sales Representative for more information.