POWEREDGE R7425

Scale-up performance for extreme computing workloads

The PowerEdge R7425 platform delivers outstanding TCO for data analytics, HPC and scale up software defined deployments. Easily add extreme memory capacity for low latency, data intensive workloads.

Outstanding configuration flexibility

The Dell PowerEdge R7425 enables fast workload performance on more cores for cutting edge application efficiency. With up to 2 enterprise class AMD EPYC™ processors under the hood, the R7425 offers an adaptable architecture for diverse workloads and environments.

- Maximized memory and IO flexibility with up to 32 DDR4 DIMMs and 128 lanes of PCIe.
- Rich storage performance with up to 24 hot swappable NVMe drives.
- Up to 4 terabytes memory capacity for data base analytics.
- Increased VDI instances with up to 64 cores.

Automate PowerEdge server life cycle management tasks with OpenManage

The Dell EMC OpenManage™ systems management portfolio delivers peak efficiency for PowerEdge servers through intelligent, automated management of routine tasks. Combined with unique agent-free management capabilities, the R7425 is simply and easily managed, freeing up more time for your high profile projects.

- Automate server life cycle management with scripting via the iDRAC9 Restful API with Redfish conformance.
- Simplify and centralize 1:Many management with the OpenManage Essentials or OpenManage Enterprise console.
- Utilize the OpenManage Mobile app and PowerEdge Quick Sync 2 to easily manage servers using a phone or tablet.

Rely on PowerEdge with built-in security

Every PowerEdge server is designed with a cyber resilient architecture, integrating security deeply into the complete server life cycle. The R7425 leverages new security features built-into every new PowerEdge server strengthening protection so you can reliably and securely deliver accurate data to your customers no matter where they are. By considering each aspect of system security, from design to retirement, Dell EMC ensures trust and delivers a worry-free, secure infrastructure without compromise.

- Operate your workloads on a secure platform anchored by cryptographically trusted booting and silicon root of trust.
- Maintain server firmware safety with digitally signed update packages.
- Prevent unauthorized or malicious changes with System Lockdown.
- Securely and quickly wipe all data from storage media including hard drives, SSDs and system memory with System Erase.

PowerEdge R7425

- High performance for big data and the most demanding workloads
- Highly scalable to 64 cores, 24 NVMe drives and 32 DIMMs

PowerEdge R7425

Features	Technical Specification	
Processor	Up to 2x AMD EPYC™ processors, up to 32 cores per processor	
Memory	32 DDR4 DIMM slots, Supports RDIMM, LRDIMM	
Storage controllers	Internal Controllers: PERC H330, H730p, H740p, HBA330 Boot Optimized Storage System: HW RAID 2 x M.2 + Internal USB + Internal Dual SD Module External PERC (RAID): H840 12Gbps PERC9 or 10 series, PCIe PERC x8 slot	
Drive bays	Front Drive Bays: Up to 24 x 2.5" hot plug SATA/SAS/NVMe or up to 12x 3.5" hot plug SAS/SATA HDD Mid Drive Bays: Up to 4 x 2.5" hot plug NVMe or up to 4 x 3.5" hot plug SAS/SATA HDD Rear Drive Bay: Up to 4 x 2.5" or 2 x 3.5" hot plug SAS/SATA HDD	
Power supplies	Titanium 750W, Platinum 495W, 750W, 1600W, 1100W, and 2000W 336-380DC 1100W addition for China and Japan only	48VDC 1100W, 380HVDC 1100W, 240HVDC 750W Hot plug power supplies with full redundancy options
Dimensions	Form factor: Rack (2U)	Chassis max depth: 715.5 mm
Bezel	Optional LCD or Security Bezel	
Embedded / At-Server	iDRAC9 with Lifecycle Controller (no power capping) iDRAC Direct	iDRAC REST API with Redfish support Quick Sync 2 BLE/wireless module
Consoles & Mobile	OpenManage Enterprise OpenManage Essentials OpenManage Mobile	
Integrations	Microsoft® System Center, VMware® vCenter™, BMC Software (available from BMC)	
Connections	Nagios Core and Nagios XI, HPE Operations Manager i (OMi)	
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 optional Cryptographically signed firmware Silicon Root of Trust	Secure Boot System Lockdown System Erase
I/O & Ports	Network daughter card options 4 x 1GE or 2 x 10GE + 2 x 1GE or 4 x 10GE or 2 x 25GE Front ports: VGA, 2 x USB 2.0, dedicated iDRAC Direct Micro-USB Rear Ports: VGA, Serial, 2 x USB 3.0, dedicated iDRAC network port. Video Card: VGA Riser Options: Up to 8 x Gen3 slots; up to 6 x 16 lanes	
Supported operating systems	Microsoft Windows Server® 2016 Red Hat® Enterprise Linux 7.4 VMware® vSphere 2016 U1 (ESXi 6.5 U1) SLES 12 SP3	For specifications and interoperability details, see Dell.com/OSsupport
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/itlifecycleservices.	
Dell Financial Services	Deliver results with easy financing. Explore financial options that move at the speed of business. For more information, visit https://www.emc.com/products/how-to-buy/global-financial-services/index.htm.*	

Learn more at Dell.com/PowerEdge

DELLEMC