POWEREDGE R6415

High density for scale out workloads

The PowerEdge R6415 features an efficient single socket design for high performance data center computing. It's specially tuned for virtualization and scale-out software-defined storage.

Optimize dense deployments with no compromise performance

The PowerEdge R6415 balances resources to support demanding workloads. With the enterprise class AMD EPYC™ processor, the R6415 single processor server tightly matches workload needs without adding underutilized resources.

- Rich storage performance with up to 10 NVMe drives.
- Cut bottlenecks with up to 2 terabytes of memory and 128 PCIe lanes.
- Simplify and speed deployments with VMware vSAN and ScaleIO Ready Nodes.

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 R6415 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 R6415 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 you workloads on a secure platform anchored by cryptographically trusted booting and silicon root of trust.
- Maintain server firmware safety with digitally signed firmware packages.
- Prevent unauthorized or malicious change with System Lockdown.
- Securely and quickly wipe all data from storage media including hard drives, SSDs and system memory with System Erase.

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Delivers high density, low latency storage and virtualization performance through an efficient balance of high number of cores, memory and IO lanes

PowerEdge R6415

Features	Technical Specification	
Processor	1x AMD EPYC™ processor, up to 32 cores	
Memory	16 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, mini PERC x8 slot	
Drive bays	Front drive bays: Up to 8 x 2.5" SAS/SATA/NVMe + 2 x 2.5 NVMe or up to 4 x 3.5" SAS/SATA HDD	
Power supplies	Platinum 550W, Bronze 450W	Hot plug power supplies with full redundancy
Dimensions	Form factor: Rack (1U)	Chassis: 728.23 mm Front Bezel to Rear PSU Handle 714.58 mm Front plate (no bezel) to Rear PSU Handle
Bezel	Optional LCD or Security Bezel	
Embedded / At-Server	iDRAC9 with Lifecycle Controller (no power capping) iDRAC Direct	iDRAC REST API with Redfish 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: Optional LOM: 2 x 1GE or 2 x 10GE or 2 x 10GE SFP+ Front ports: Video, 1 x USB 2.0, dedicated iDRAC Direct USB Rear Ports: Video, Serial, 2 x USB 3.0, dedicated iDRAC network port Riser options with up to 2 x Gen3 slots; 2 x 16 lanes	
Supported operating systems	Microsoft Windows Server® 2016 Red Hat® Enterprise Linux 7.4 VMware® vSphere 2016 U1 (ESXi 6.5 U1) Microsoft Windows Server® 2012 R2	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.*	

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