POWEREDGE R240

Compute made simple

The Dell EMC PowerEdge R240 is an affordable single-socket 1U rack server designed for small businesses and service providers.

Designed for budget-conscious businesses

The Dell EMC PowerEdge R240 designed for dense environments is the ideal solution for budget-conscious businesses. The R240 offers features to support your demanding and growing business needs.

- Accelerate your business with improved performance due to 50% more cores with Intel® Xeon® E-2100 processors, 11% increase in memory speed, and 20% more PCIe lanes.[1]
- Harness data growth with up to 4 x 3.5" cabled hard drives.
- Manage operational costs with Multi-Vector cooling which automatically calculates and delivers the proper airflow needed for optimal cooling.

Simple to install, manage and deploy

The Dell OpenManage portfolio offers innovations that simplifies management tasks, making IT operations efficient and cost-effective throughout the server lifecycle.

- The embedded iDRAC9 with Lifecycle Controller, server deployment, configuration and updates are fast and worry-free.
- Access your servers anywhere, anytime from your mobile device with OpenManage Mobile (requires OpenManage Enterprise).
- Resolve issues with up to 72% less IT effort using automated proactive and predictive technology from ProSupport Plus and SupportAssist.[2]

Keep your data safe

Every PowerEdge server is made with a cyber-resilient architecture, building security into the server's entire life cycle. Dell EMC is laser-focused on security (from design to end-of-life) to ensure trust and deliver worry-free, secure servers.

- Keep your data safe with software RAID.
- Maintain data safety with cryptographically-signed firmware packages and Secure Boot.
- Protect your server from malicious malware with iDRAC9 Enterprise Server Lockdown mode.
- Wipe all data from storage media quickly and securely with System Erase.

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- Improved performance due to 50% more cores
- Scale with 17% more storage capacity
- Protect your server from malicious malware with iDRAC9 Enterprise Server Lockdown mode

1 Based on Dell EMC Internal analysis comparing R340 vs the previous generation. September 2018.

2 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.

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Features	Technical Specification	
Processor	1 processor from the following: Intel® Xeon® E-2100 product family, Intel Pentium®, Intel Core i3®, Intel Celeron®	
Memory	4 x DDR4 DIMM slots, Supports UDIMM, up to 2666MT/s, 64GB Max. Supports registered ECC	
Storage controllers	Internal controllers: PERC H730P, H330, HBA330 (non-RAID) Software RAID: PERC S140 External HBAs: 12Gbps SAS HBA (non-RAID) Boot Optimized Storage Subsystem: 2x M.2 240GB (RAID 1 or No RAID), 1x M.2 240GB (No RAID only)	
Drive bays	Up to 4 x 3.5 cabled SATA, SAS (optional) or SSD* Up to 4 x 3.5 or 2.5 hot-plug SATA, SAS (optional) or SSD* *available in the hot-plug configuration	
Power supplies	Single 250W (Bronze) power supply	
Dimensions	Form factor: Rack (1U)	Chassis width: 434.00mm (17.08 in) Chassis depth: 595.63mm (23.45 in) (3.5” HHD config) Note: These dimensions do not include: bezel, redundant PSU Chassis weight: 12.2 kg (26.89 lb.)
Embedded management	iDRAC9 with Lifecycle Controller iDRAC Direct iDRAC RESTful API with Redfish	
Bezel	Optional security bezel	
OpenManage™ Software	OpenManage Enterprise OpenManage Essentials	OpenManage Power Center OpenManage Mobile (requires OpenManage Enterprise)
Integrations and connections	Integrations: Microsoft® System Center VMware® vCenter™ BMC Truesight (available from BMC) Red Hat Ansible	Connections: Nagios Core & Nagios XI Micro Focus Operations Manager i (OMi) IBM Tivoli Netcool/OMNIbus
Tools	iDRAC Service Module OpenManage Server Administrator Dell EMC Repository Manager Dell EMC System Update	Dell EMC Server Update Utility Dell EMC Update Catalogs Dell EMC RACADM CLI IPMI Tool
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Silicon Root of Trust	Secure Boot System Lockdown (requires OpenManage Enterprise) System Erase
I/O & Ports	Networking Options: 2 x 1GbE LOM Network Interface Controller (NIC) ports Front ports: 1x USB 2.0, 1 x IDRAC micro USB 2.0 management port Rear ports: 2 x USB 3.0, VGA, serial connector	2 x PCIe Gen 3.0 slots: • One x8 slot low-profile, half-length with x4 slot width • One x16 slot low-profile/full-height, half-length with x8 bandwith
Supported operating systems	Certify XenServer Citrix® XenServer® Microsoft Windows Server® with Hyper-V Red Hat® Enterprise Linux Ubuntu Server	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.	