Introducing the PowerEdge R340

Single-socket rack server designed for productivity and data intensive solutions for remote sites.

IP:23.75.248.127

Accelerate your business growth with:

- 50% more cores for performance
- 11% faster data transfer speeds
- 20% more data throughput

Collaboration / sharing
Share solution results by connecting easily and efficiently.

Backup / recovery
Embedded software RAID to replicate and safeguard your data.

OEM Ready	OEM XL
Showcase your logo on this OEM Ready dense server today and expand your brand presence using an industry leading product proven to drive performance and customer satisfaction.	OEM XL products are designed with longevity, visibility and stability built-in. They accommodate longer transition periods, visibility to changes with advanced notifications and fewer recurring component and software updates.

Backed by industry proven Security, Manageability and Global Serviceability.

Security	Manageability	Services
• Build on a silicon Root of trust. • Signed firmware and secure boot. • Audit logging and alerts provide robust layers of security.	• iDRAC, our server management controller. • OS agnostic and comprehensive, allowing full leveragability via APIs.	• Backed by globally available ProSupport and ProSupport Plus. • Additional menu of services is also available.

Contact your OEM representative to learn more

POWEREDGE R340

Accelerate Business Growth

The Dell EMC PowerEdge R340
is a single-socket 1U rack server designed
for productivity and data intensive applications
for remote office/branch offices.

Boost your business productivity

The Dell EMC PowerEdge R340 boosts business productivity, provides the flexibility to scale, and automates daily tasks. It is the ideal solution that allows you to focus on what matters: Accelerate your business growth. The R340 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 8 x internal 2.5" or 4 x 3.5" hot-plug hard drives.

• Manage operational costs with Multi-Vector cooling which automatically calculates and delivers the proper airflow needed for optimal cooling.

Simplify your IT infrastructure

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

PowerEdge R340

• 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.

PowerEdge R340

Features	Technical Specification	
Processor	Segment 14G Wave 4 XL CPUs - Advanced E-2176G Standard E-2136, E-2144G	Basic E-2124 Desktop i3-8100, G5500
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 8 x 2.5 hot-plug SATA, SAS (optional) or SSD Up to 4 x 3.5 hot-plug SATA, SAS (optional) or SSD	
Power supplies	Single or dual 350W (Platinum) or 550W (Platinum) hot-plug redundant power supplies	
Dimensions	Form factor: Rack (1U)	Chassis width: 434.00mm (17.08 in) Chassis depth: 534.496mm (21.04 in) (3.5" HHD config) Chassis depth: 483.716mm (19.04 in) (2.5" HHD config) Note: These dimensions do not include: bezel, redundant PSU Chassis weight: 13.6 kg (29.98 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 For specifications and interoperability details, see Dell.com/OSsupport.
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 Dell.com/OEM.	
Recommended support	ProSupport Plus for critical systems or ProSupport for comprehensive hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell EMC representative today for more information. Availability and terms of Dell EMC Services vary by region. For more information, visit Dell.com/ServiceDescriptions.	
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 DellEMC.com/PowerEdge

End-to-end technology solutions

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