



Dell PowerEdge R240 Server Datasheet



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Leading Network Hardware Supplier

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OVERVIEW

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

Figure 1. Dell PowerEdge R240 Server



FEATURES

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 100% more cores with Intel® Xeon® E-2200 processors, 11% increase in memory speed, and 20% more PCIe lanes.
- 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.

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.

SPECIFICATION

Specification	Dell PowerEdge R240 Server
Processor	1 processor from the following: Intel® Xeon® E-2200 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 (BOSS): 2 x M.2 240GB (RAID 1

	<p>or No RAID) or 1 x M.2 240GB (No RAID only)</p> <p>Internal Dual SD Module: 2x microSD (16GB, 32GB or 64GB) or 1x microSD (16GB, 32GB or 64GB)</p>
Drive bays	<p>Up to 4 x 3.5 cabled SATA, SAS (optional) or SSD*</p> <p>Up to 4 x 3.5 or 2.5 hot-plug SATA, SAS (optional) or SSD*</p> <p>*available in the hot-plug configuration</p>
Power supplies	Single 250W (Bronze) or 450W (Platinum) power supply
Dimensions	<p>Form factor: Rack (1U) Chassis width: 434.00mm (17.08 in)</p> <p>Chassis depth: 595.63mm (23.45 in) (3.5" HHD config)</p> <p>Note: These dimensions do not include: bezel, redundant PSU</p> <p>Chassis weight: 12.2 kg (26.89 lb.)</p>
Embedded management	<p>iDRAC9 with Lifecycle Controller</p> <p>iDRAC Direct</p> <p>iDRAC RESTful API with Redfish</p>
Bezel	Optional security bezel
OpenManage™ Software	<p>OpenManage Enterprise</p> <p>OpenManage Power Manager</p> <p>OpenManage Mobile</p>
Integrations and connections	<p>Integrations:</p> <p>Microsoft® System Center</p> <p>VMware® vCenter™</p> <p>BMC Truesight (available from BMC)</p>

	<p>Red Hat Ansible</p> <p>Connections:</p> <p>Nagios Core & Nagios XI</p> <p>Micro Focus Operations Manager i (OMi)</p> <p>IBM Tivoli Netcool/OMNIBus</p>
Tools	<p>iDRAC Service Module</p> <p>OpenManage Server Administrator</p> <p>Dell EMC Repository Manager</p> <p>Dell EMC System Update</p> <p>Dell EMC Server Update Utility</p> <p>Dell EMC Update Catalogs</p> <p>Dell EMC RACADM CLI</p> <p>IPMI Tool</p>
Security	<p>TPM 1.2/2.0 optional</p> <p>Cryptographically signed firmware</p> <p>Silicon Root of Trust</p> <p>Secure Boot</p> <p>System Lockdown (requires OpenManage Enterprise)</p> <p>System Erase</p>
I/O & Ports	<p>Networking Options:</p> <p>2 x 1GbE LOM Network Interface Controller (NIC) ports</p> <p>Front ports:</p>

	<p>1x USB 2.0, 1 x IDRAC micro USB 2.0 management port</p> <p>Rear ports: 2 x USB 3.0, VGA, serial connector</p> <p>2 x PCIe Gen 3.0 slots:</p> <ul style="list-style-type: none"> ● One x8 slot low-profile, half-length with x4 slot width ● One x16 slot low-profile/full-height, half-length with x8 bandwidth
Supported operating systems	<p>Citrix® XenServer®</p> <p>Microsoft® Windows Server® with Hyper-V (2016 and 2019)</p> <p>Red Hat® Enterprise Linux</p> <p>Ubuntu® Server LTS</p> <p>SUSE® Linux Enterprise Server</p> <p>VMware® ESXi</p>
OEM-ready version available	<p>From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you.</p>
Recommended support	<p>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.</p>

ORDERING INFORMATION

Configured Models

[Dell PowerEdge R240 E-2124/8GB/1TB 7.2K SATA/DVDRW/250W/3.5-2 Server](#)

[Dell PowerEdge R240 E-2124/8GB/1TB 7.2K SATA/DVDRW/250W/3.5-4 Server](#)

[Dell R240 E-2224G/8GB*1/1TB 7.2K SATA 3.5*1/DVDRW/250W Cabled PS/3.5-2](#)

[Dell R240 E-2224G/8GB*1/1TB 7.2K SATA 3.5*1/DVDRW/250W Cabled PS/3.5-4](#)

WHERE TO BUY

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

Or visit: [Dell PowerEdge R240 Server](#)

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SOURCES

https://i.dell.com/sites/csdocuments/Product_Docs/en/poweredge-r240-spec-sheet.pdf