PowerEdge R350

Spec Sheet

DELLTechnologies

Deliver powerful compute with a single processor server

The Dell EMC PowerEdge R350 addresses evolving compute demands with an easy to manage rack server designed for businesses looking for affordable enterprise features.

Your Innovation Engine for businesses of all sizes

The Dell EMC PowerEdge R350, powered by Intel® Xeon® E-2300 processors, delivers increased performance and is designed for productivity and data intensive applications. It supports 3200 MT/s DDR4 speeds and 32 GB DIMMs, up to 128 GB for memory intensive workloads. In addition, to address substantial throughput improvements, the PowerEdge R350 supports PCIe Gen 4 and offers enhanced efficiency to support increasing power and thermal requirements. This makes the PowerEdge R350 a powerful and versatile server for small to mid-sized businesses to enable a variety of workloads ranging from business-critical to cloud infrastructure. It is also widely used for point-of-sale transactions and enterprise level requirements for data analysis and virtualization.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell EMC OpenManage systems management portfolio tames the complexity of managing and securing IT infrastructure. Using Dell Technologies' intuitive end-to-end tools, IT can deliver a secure, integrated experience by reducing process and information silos in order to focus on growing the business. The Dell EMC OpenManage portfolio is the key to your innovation engine, unlocking the tools and automation that help you scale, manage, and protect your technology environment.

- Built-in telemetry streaming, thermal management, and RESTful API with Redfish offer streamlined visibility and control for better server management
- Intelligent automation lets you enable cooperation between human actions and system capabilities for added productivity
- Integrated change management capabilities for update planning and seamless, zero-touch configuration and implementation
- Full-stack management integration with Microsoft, VMware, ServiceNow, Ansible and many other tools

Protect your data assets and infrastructure with proactive resilience

The Dell EMC PowerEdge R350 server is designed with a cyber-resilient architecture, integrating security deeply into every phase in the lifecycle, from design to retirement.

- Operate your 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 configuration or firmware 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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The Dell EMC PowerEdge R350 offers streamlined productivity, high-speed memory and capacity, powerful compute to address common business applications. Ideal for inside or outside the data center:

- Small to mid-sized businesses
- Remote office/branch office
- Collaboration and sharing
- Database support and management

Feature	Technical Specifications
Processor	One Intel Xeon E-2300 series processor with up to 8 cores or one Intel Pentium processor with up to 2 cores
Memory	• Four DDR4 DIMM slots, supports UDIMM 128 GB max, speeds up to 3200 MT/s • Supports unregistered ECC DDR4 DIMMs only NOTE: For Pentium processor, maximum memory speed supported is 2666 MT/s.
Storage controllers	• Internal controllers (RAID): PERC H355, PERC H355f, PERC H345, PERC H345f, H755, H755f, HBA355i, HBA355f, S150 • Internal Boot: Internal Dual SD Module or USB or Boot Optimized Storage Subsystem (BOSS-S2): HWRAID 2 x M.2 SSDs • External HBAs (non-RAID): HBA355e
Drive Bays	Front bays: • Up to 4 x 3.5-inch SAS/SATA (HDD/SSD) max 64 TB • Up to 8 x 2.5-inch SAS/SATA (HDD/SSD) max 128 TB
Power Supplies	• 600W Platinum 100-240 VAC or 240 VDC redundant, hot swap
Cooling options	Air cooling
Fans	Up to four fans with full redundancy
Dimensions	• Height – 42.8 mm (1.69 inches) • Width – 482 mm (18.98 inches) • Depth – 585.3 mm (23.04 inches) without bezel 598.94 mm (23.58 inches) with bezel
Form Factor	1U rack server
Embedded Management	• iDRAC9 • iDRAC Direct • iDRAC RESTful API with Redfish • iDRAC Service Module
Bezel	Optional LCD bezel or security bezel
OpenManage Software	• OpenManage Enterprise • OpenManage Power Manager plugin • OpenManage SupportAssist plugin • OpenManage Update Manager plugin
Mobility	OpenManage Mobile
Integrations and Connections	OpenManage Integrations • BMC Truesight • Microsoft System Center • Red Hat Ansible Modules • VMware vCenter and vRealize Operations Manager OpenManage Connections • IBM Tivoli Netcool/OMNIbus • IBM Tivoli Network Manager IP Edition • Micro Focus Operations Manager • Nagios Core • Nagios XI
Security	• Cryptographically signed firmware • Secure Boot • Secure Erase • Silicon Root of Trust • System Lockdown (requires iDRAC9 Enterprise or Datacenter) • TPM 1.2/2.0 FIPS, CC-TCG certified, TCM 2.0 optional
Embedded NIC	2 x 1 GbE LOM
Network Options	NA
Ports	Front Ports • 1 x iDRAC Direct (Micro-AB USB) port • 1 x USB 2.0 Internal Ports • 1 x USB 3.0 (optional) Rear Ports • 1 x USB 2.0 • 1 x iDRAC ethernet port • 1 x USB 3.0 • 1 x Serial port • 1 x VGA
PCIe	3 PCIe slots: • 1x8 Gen4 (x16 connector) low profile, half length • 1x8 Gen4 (x8 connector) low profile, half length • 1x4 Gen4 (x8 connector) for dedicated PERC only
Operating System and Hypervisors	• Canonical Ubuntu Server LTS • Citrix Hypervisor • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server 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 and services

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/ServiceDescriptions.

APEX Flex on demand

Acquire the technology you need to support your changing business with payments that scale to match actual usage. For more information, visit: www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.

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