PowerEdge R220

The one-socket 1U Dell PowerEdge R220 rack server delivers performance, data storage and protection, and intuitive systems management in a short-depth form factor optimized for constrained spaces.

The PowerEdge R220 1U rack server is an excellent choice for growing businesses and organizations needing a short-depth, rack-optimized chassis delivering performance, data protection and enterprise-class systems management. The R220 is ideal for web hosting, mail serving, file and print serving, video streaming, as well as a wide range of general-purpose productivity applications — and with a short chassis depth of 15.5" and quiet office acoustics, you can install it virtually anywhere.

Realize greater efficiency

Drive applications and media faster with powerful, multi-core Intel® Xeon® E3-1200 v3 processors — boasting 33% more cache per core than previous-generation E3 processors. Or, choose from a range of Intel Celeron®, Pentium® or Core® processors to meet your specific performance and budget requirements.

- Experience faster response times with four DIMM slots for memory expansion up to 32GB.

- Drive fast I/O transfers and application performance with a latest-generation, widest-bandwidth PCIe 3.0 x16 expansion slot.

- Protect critical workloads requiring continuous access to data with hardware RAID options.

Discover greater versatility

Specifically designed for space-constrained environments, the PowerEdge R220 has a short-depth 15.5" chassis and quiet-office acoustics so it can operate unobtrusively virtually anywhere. And, with five USB ports, you can quickly and flexibly attach more devices.

Experience greater simplicity

Speed deployment and ease ongoing administration with simplified, intuitive, enterprise-class systems management. Dell OpenManage™ systems management saves time, reduces the number of steps taken to accomplish tasks, and reduces potential for error, helping IT administrators enhance their productivity and free up time to focus on more strategic tasks. The optional integrated Dell Remote Access Controller 7 (iDRAC7) with Lifecycle Controller provides agent-free management capabilities throughout the server lifecycle, without the hassle and potential for error involved with managing a software management agent.

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- Powerful performance of Intel Celeron, Pentium, Core and Xeon E3-1200 v3 processors

- Up to 32GB DDR3 1600MT/s memory

- Short 15.5" chassis depth

Feature	PowerEdge R220 technical specification	
Form factor	1U rack	
Processors	Intel® Xeon® processor E3-1200 v3 product family, Intel Pentium®, Intel Celeron®, Intel Core®	
Processor sockets	1	
Cache	2.0MB L3 per core; core options: 2, 4	
Chipset	Intel C222	
Memory[1]	4 x DDR3 UDIMM, up to 32GB, up to 1600MT/s	
Minumum/Maximum RAM	4GB/32GB	
Hard drives	**Drive bay options:** • Up to 2 x 2.5" • Up to 2 x 3.5" • 1 slim optical drive	**Hard drive options:** • 2 x 3.5" SATA, SAS, or NL SAS • 2 x 2.5" SAS, NL SAS or SSD
Optional storage controller	**Internal controllers:** • PERC S110 (SW RAID) • PERC H310 • Chipset-based SATA	**External HBAs (RAID):** • PERC H810 **External HBAs (non-RAID):** • 6Gbps SAS HBA
PCIe slot	1 PCIe x16 3.0 slot, full height, half length	
Embedded NIC	Broadcom® 5720 dual-port 1Gb LOM	
I/O adapter options	**1Gb/10Gb Ethernet:** Broadcom 5719 quad-port 1Gb NIC Broadcom 5720 dual-port 1Gb NIC Intel I350 dual-port 1Gb stand-up adapter Intel I350 quad-port 1Gb stand-up adapter Intel X520 dual-port 10Gb DA/SFP+ Intel X540 dual-port 10Gb Base-T **10Gb Converged Ethernet**: Broadcom 57810S dual-port 10Gb Base-T Emulex OCe14102-UX-D 2x PCIe 10GbE QLogic QLE8262, 10Gb	**FC8 HBA:** QLogic QLE2560 8Gb QLogic QLE1562, 8Gb Emulex LPe-12002 8Gb Emulex LPe-12000
USB	5 total: • 2 rear USB 3.0 • 2 front USB 2.0 • 1 internal USB 2.0	
Power supply	Non-redundant, 250W (80+ Silver); auto-ranging (100V~240V)	
Dimensions (without ear/bezel)	H: 1.66" (42.4 mm) W: 17.09" (434 mm) D: 15.52" (394.3 mm) (without ear/bezel)	
Weight	17.76 lb (8.058 kg) maximum	
Remote management	iDRAC7 with Lifecycle Controller (optional)	
Systems management	Basic manangment IPMI 2.0 compliant Dell OpenManage Essentials Dell OpenManage Mobile Dell OpenManage Power Center Dell OpenManage Integrations: • Dell OpenManage Integration Suite for Microsoft System Center • Dell OpenManage Integration for VMware® vCenter	Dell OpenManage Connections: • HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management • Dell OpenManage Plug-in for Oracle Database Manager
OEM-ready version	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	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.	

Global services and support

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