



Dell 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® and Pentium® 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 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®
Processor sockets	1
Cores and L2/3 cache	Dual- or quad core 2.0MB per core – 4MB or 8MB
Chipset	Intel C222
Memory DIMMs	4x DDR3 UDIMMs w/ECC 1600MT/s
Minimum/Maximum RAM	4GB/32GB
Drive bays	<ul style="list-style-type: none"> 2x 2.5" or 2x 3.5" cabled SAS/SATA HDD
Embedded HC controller	Chipset-based SATA, PERC S110 (Embedded SW RAID)
Optional storage controller	Non-RAID <ul style="list-style-type: none"> 6GB SAS HBA RAID <ul style="list-style-type: none"> PERC S110 PERC H310 External storage <ul style="list-style-type: none"> PERC H810
I/O slot	1x PCIe 3.0 x16 slot; full height, half length
NIC/LOM	2x GbE LOM w/o TOE
USB	5 total <ul style="list-style-type: none"> 2 rear USB 3.0 2 front USB 2.0 1 internal USB 2.0
Power supplies	Non-redundant, 250W (80+ Silver); auto-ranging (100V~240V)
Fan	Non-redundant, non-hot-swappable
Dimensions	H: 1.66" (42.4 mm) (without ear/bezel) W: 17.09" (434 mm) (without ear/bezel) D: 15.52" (394.3 mm) (without ear/bezel)
Weight	17.76 lbs (8.058 kg) maximum
Remote management	iDRAC7 with Lifecycle Controller (optional)
Systems management	Basic management IPMI 2.0 compliant Dell OpenManage Essentials Dell OpenManage Mobile Dell OpenManage Power Center Dell OpenManage Integrations: <ul style="list-style-type: none"> Dell OpenManage Integration Suite for Microsoft System Center Dell OpenManage Integration for VMware® vCenter Dell OpenManage Connections: <ul style="list-style-type: none"> 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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