



Dell PowerEdge R210 II

The Dell™ PowerEdge™ R210 II is an enterprise-ready, ultra-compact 1-socket rack server made for single-tier architectures.

Even better for business

Tailored to meet the needs of growing businesses and remote offices by offering enterprise-level performance, the compact PowerEdge R210 II rack server has what your business needs to increase productivity and provide better protection for important business data. The PowerEdge R210 II offers key data security and flexibility features. Whether running business applications that facilitate data sharing and protection or providing the management and scalability needed to support your business growth, the PowerEdge R210 II is an ideal choice for businesses and remote offices seeking exceptional performance.

Business value

The R210 II has a choice of options that deliver value, including the required processor performance for business applications and impressive scalability to meet your business needs. The PowerEdge R210 II offers:

- Technology that delivers value with performance along with essential features to operate your small businesses efficiently.
- A range of technology options customizable to suit your business needs.
- A full selection of Intel® processors to meet your performance needs. Choose from Intel Xeon® processor E3-1200 product family, Intel Xeon processor E3-1200v2 product family, Intel Pentium® G600 and G800 series, or Intel Celeron® G400 and G500 series.

Flexible, secure technology

Securing your most valuable asset, your data, is important. That's why the PowerEdge R210 II has built-in redundant hard drives, encryption, security and other data protection options to help keep your data as safe as possible. Coupled with the latest version of Windows® Small Business Server 2011 (SBS 2011), the PowerEdge R210 II delivers an integrated solution that can further protect your data by providing automatic backup and restore functionality as well as offering email, remote access and collaboration to help take your business to the next level. The R210 II also includes lower wattage power supplies and features a built-in user interface for ease of deployment. With the PowerEdge R210 II you can:

- Protect data with hardware- and software-enabled encryption.

- Secure business information with a RAID configuration to make copies of data automatically.
- Provide email, collaboration, remote access and automatic backup and data restore functionality with Windows Small Business Server 2011.
- Make server deployment easy with the optional embedded management and deployment controller.

Simplified systems management, without compromise

The Dell OpenManage™ systems management portfolio includes Integrated Dell Remote Access Controller 6 (iDRAC6) with Lifecycle Controller. This embedded feature helps IT administrators manage Dell servers in physical, virtual, local and remote environments, operating in-band or out-of-band, with or without a systems management software agent installed.

OpenManage iDRAC with Lifecycle Controller integrates and connects to leading third-party systems management solutions (such as those from Microsoft, VMware, and BMC Software), so users can maintain a single point of control and capitalize on an existing systems management investment. OpenManage simplifies the lifecycle of deploying, updating, monitoring, and maintaining your Dell PowerEdge servers.

The PowerEdge R210II offers performance and features for businesses and remote offices alike.

Feature	PowerEdge R210 II Technical Specification	
Form factor	1U rack	
Processors	Intel® Xeon® processor E3-1200 product family Intel Xeon processor E3-1200 V2 product family Dual-core Intel Pentium® G600 and G800 series Dual-core Intel Celeron® G400 and G500 series	
Processor sockets	1	
Frontside bus or HyperTransport	DMI II (Direct Media Interface)	
Cache	8MB	
Chipset	Intel C202	
Memory ¹	Up to 32GB (4 DIMMs): 1GB/2GB/4GB/8GB DDR3 up to 1600MT/s	
I/O Slots	One PCIe x16 G2 slot	
RAID controller	Internal controllers: PERC H200 (6Gb/s) PERC S100 (software based) PERC S300 (software based) External HBAs (non-RAID): PERC H800 (6Gb/s) with 512MB of battery-backed cache; 512MB, 1GB non-volatile battery-backed cache External HBAs (non-RAID): 6Gbps SAS HBA	
Drive bays	Cabled options available: Up to two 3.5" SAS, SATA or SSD drives	
Maximum internal storage ¹	Up to 6TB	
Hard drives	Cabled hard drive options: 2.5" SATA SSD, SAS (10K) 3.5" SAS (15K), nearline SAS (7.2K), SATA (7.2K, 5.4K)	
Communications	Broadcom® NetXtreme® 5709 Dual Port Gigabit Ethernet NIC, Copper, with TOE PCIe x4 Broadcom NetXtreme 5709 Dual Port Gigabit Ethernet NIC, Copper, TOE/iSCSI PCIe x4 Broadcom NetXtreme II 5709 Quad Port Gigabit Ethernet NIC, Copper, with TOE/iSCSI PCIe x4 Intel Gigabit ET Dual Port Adapter, Gigabit Ethernet NIC, PCIe x4 Intel Gigabit ET Quad Port Adapter, Gigabit Ethernet NIC, PCIe x4	
Power supply	Single cabled power supply, 250W (80+ SILVER)	
Availability	Quad-pack LED diagnostics, ECC Memory, add-in RAID, TPM/TCM	
Video	Matrox® G200eW with 8MB memory	
Remote management	iDRAC6 optional	
Systems management	Dell™ OpenManage™ BMC, IPMI 2.0 compliant Unified Server Configurator Lifecycle Controller enabled through optional iDRAC6 Express, iDRAC6 Enterprise, and vFlash media	
Rack support	ReadyRails™ static rails for toolless mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded and 2-post (Telco) racks	
Operating systems	Microsoft® Windows Server® 2012 Microsoft Windows Server 2012 Essentials Microsoft Windows® Small Business Server 2011 Microsoft Windows Server 2008 R2 Foundation SP1 ² Microsoft Windows Server 2008 SP2, x86/x64 (x64 includes Hyper-V®) Microsoft Windows Server 2008 R2 SP1, x64 (includes Hyper-V) Microsoft Windows HPC Server 2008 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux®	Virtualization options: VMware® vSphere® ESXi™ Citrix® XenServer® Red Hat Enterprise Virtualization® For more information on the specific versions and additions, visit Dell.com/OSsupport .
Featured database application	Microsoft SQL Server® solutions (see Dell.com/SQL)	

¹ GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

² Microsoft Windows Server 2008 R2 Foundation allows only 15 user accounts and requires certain Active Directory (AD) configurations. If not configured according to the product documentation, the software will generate warnings to correct the configuration. After a certain amount of time, the software will only run for one hour at a time until the configuration is corrected. For more information about these features, review the product documentation located at <http://go.microsoft.com/fwlink/?LinkId=143551>.

Dell Services

Dell Services can help reduce IT complexity, lower costs, and eliminate inefficiencies by making IT and business solutions work harder for you. The Dell Services team takes a holistic view of your needs and designs solutions for your environment and business objectives while leveraging proven delivery methods, local talent, and in-depth domain knowledge for the lowest TCO.

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