DELL POWEREDGE R210 SERVER

Dell's value entry 1-socket 1U server, the PowerEdge™ R210, offers advanced management capabilities, low wattage power supply, and external storage connectivity options in a very small chassis.

The Dell™ PowerEdge R210 features include the performance of Intel® Xeon® 3400 series processors, DDR3 memory, e-SATA external storage expandability, and enterprise-class manageability in an ultra-compact 15.5" deep chassis.

The PowerEdge R210 was developed with a purposeful design, energy-optimized technology, simplified systems management, and the flexibility you need. The PowerEdge R210 is a great first rack server for the small business or as a specialized application server or edge of network server for larger corporations.

RIGHT-SIZED, FLEXIBLE TECHNOLOGY AND BUSINESS VALUE

The PowerEdge R210 was designed to meet the needs of many IT environments. With the optional advanced systems management capabilities of Lifecycle Controller, Dell is bringing comprehensive enterprise-class manageability into the 1-socket space. In addition, the R210 features a short 15.5 inch chassis to allow for flexible deployment almost anywhere. Built with cost-effective RAID options to further protect your valuable data, new e-SATA external storage connectivity options and the latest Intel® Xeon® technology, the PowerEdge R210 is an ideal entry 1 socket 1U rack for small businesses and larger offices needing flexibility and manageability in a small chassis.

Dell aims to add value to your business by including the features you need without a lot of the unnecessary extras. Our goal is to deliver value through tailored solutions based on industry standards, as well as purposeful, innovative design.

PURPOSEFUL DESIGN

The PowerEdge R210 follows the 11th Generation PowerEdge portfolio behavioral specifications and features the same system design commonality and reliability true to the entire portfolio. All 11th Generation servers are built to make the user experience easier. We put all external ports, power supplies, and LEDs in the same location for familiar user experience, as well as easy installation and deployment.

Robust, metal hard drive carriers and organized cabling are designed to help improve component access and airflow across the server. The PowerEdge R210's purposeful design also provides quiet acoustics and a LED display positioned on the front of the server for ease of monitoring.

ENERGY-OPTIMIZED TECHNOLOGY

Energy Smart design is a key part of the PowerEdge R210's purposeful design. Utilizing a low 250 watt power supply, the PowerEdge R210 provides the smallest power footprint within the 11th Generation PowerEdge server portfolio. Also included in the R210 are low-flow fans, designed to spin faster in accordance with server workload demands and help reduce unnecessary noise when possible. In addition, the logical component layout aids with airflow direction, helping to keep the server cool.

SIMPLIFIED SYSTEMS MANAGEMENT

The Lifecycle Controller is the engine for advanced embedded management and is delivered as part of the optional iDRAC Express or iDRAC Enterprise in the PowerEdge R210. The Lifecycle Controller is a chip that is integrated on the server. It helps to simplify administrator tasks by performing a comprehensive set of provisioning functions such as system deployment, system updates, hardware configuration, and diagnostics from a single intuitive interface called Unified Server Configurator (USC) in a pre-OS environment. This helps eliminate the need to use and maintain multiple pieces of disparate CD/DVD media.

Also part of the Dell OpenManage™ portfolio is the Dell Management Console, which is included with every Dell server and provides IT administrators with a consolidated console view of their IT infrastructure.

FEATURE	DELL™ POWEREDGE™ R210	
Form Factor	Rack	
Processors	Quad-core Intel® Xeon® 3400 series processors	
Processor Sockets	1	
Front Side Bus or HyperTransport	DMI (Direct Media Interface)	
Cache	8MB	
Chipset	Intel® 3420 chipset	
Memory	Up to 16GB (4 U-DIMMs): 1GB/2GB/4GB DDR3 1066MHz or 1333MHz	
I/O Slots	1 PCIe x16 G2 slot	
RAID Controllers	**Internal:** PERC H200 (6Gb/s) **External:** PERC H800 (6Gb/s) with 512MB of battery-backed cache PERC 6/E with 256MB or 512MB of battery-backed cache PERC H800 (6Gb/s) with 512MB Non-volatile cache	**External HBAs (non-RAID):** 6Gbps SAS HBA SAS 5/E HBA LSI2032 PCIe SCSI HBA
Drive Bays	Cabled options available: Up to two 2.5"/ 3.5" SAS, SATA or SSD drives	
Maximum Internal Storage	2TB	
Hard Drives[1]	**Hard Drive Options:** 3.5 inch SATA (7.2K rpm): 160GB, 250GB, 500GB, 1TB 3.5 inch Near-line SAS (7.2 rpm): 1TB 3.5 inch SAS (10K rpm): 600GB 3.5 inch SAS (15K rpm): 146GB, 300GB, 450GB 2.5 inch SAS (10K rpm): 146GB, 300GB 2.5 inch SSD: 25GB , 50GB	
Network Interface Cards	Broadcom® NetXtreme™ 5709 Dual Port Gigabit Ethernet NIC, Copper, w/TOE PCIe x4 Broadcom® NetXtreme™ 5709 Dual Port Gigabit Ethernet NIC, Copper, TOE/ISCI PCIe x4 Intel® PRO/ 1000PT Single Port Adapter, Gigabit Ethernet NIC, PCIe x1 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)	
Availability	Quad-pack LED diagnostics, ECC Memory, add-in RAID, TPM/C-TPM	
Video	Matrox® G200eW w/ 8MB memory	
Remote Management	iDRAC6 optional	
Systems Management	BMC, IPMI 2.0 compliant Dell™ OpenManage™ featuring Dell Management Console Unified Server Configurator Lifecycle Controller enabled via optional iDRAC6 Express, iDRAC6 Enterprise, and vFlash	
Rack Support	Support for Static ReadyRails™ mounting interface for 4-post and 2-post racks	
Operating Systems	Microsoft® Windows® Small Business Server 2008 Microsoft® Windows® Essential Business Server 2008 Microsoft® Windows Server® 2008 R2 Foundation[2] Microsoft® Windows Server® 2008 SP2, x86/x64 (x64 includes Hyper-V™) Microsoft® Windows Server® 2008 R2, x64 (includes Hyper-V™ v2) Microsoft® Windows® HPC Server 2008 Novell® SUSE® Linux® Enterprise Server Red Hat® Enterprise Linux® For more information on the specific versions and additions, visit www.dell.com/OSsupport.	

[1] For hard drives, 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] 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

ABOUT DELL GLOBAL 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.

SIMPLIFY YOUR SERVERS AT DELL.COM/POWEREDGE