

# DELL™ POWEREDGE™ R410 SERVER



Dell's powerful and ultra-dense, 2S, 1U PowerEdge R410 server offers the performance of Intel® Xeon® 5500 series processors, DDR3 memory, the availability of up to four hard drives (3.5" or 2.5") and an exceptional value.

The PowerEdge R410 features include an available "open" High-Performance Computing Cluster (HPCC) software stack, excellent diagnostics with interactive LCD and an optimum chassis depth of 24" for space constrained data centers and HPCC environments.

The PowerEdge R410 was developed with a purposeful design; energy optimized technology, advanced virtualization capabilities and simplified systems management.

## **PURPOSEFUL DESIGN**

The PowerEdge R410 takes advantage of Dell's outstanding system commonality and reliability. Quick release rack latching and purposeful placement of interface ports and power supplies enable easy installation and redeployment. Robust, metal hard drive carriers and an all steel control arm can further increase structural integrity and help eliminate creep.

The purposeful design of the PowerEdge R410 provides reduced complexity, showcasing clutter-free cable routing for more efficient airflow and easier maintenance. An LCD screen positioned by the front of the bezel provides aisle level access to deploy the server.

## **ENERGY-OPTIMIZED TECHNOLOGY**

The PowerEdge R410 features energy tuned technologies that reduce power consumption while increasing performance capacity so you can compute more while consuming less. The energy efficient power supply units are right-sized for system requirements, with improved system-level design efficiency, policy-driven power and thermal management and highly efficient standards-based Energy Smart components. A robust fan cage design with hot plug single pull fan modules provides quiet acoustics and eases maintenance.

Energy efficient, compact and quiet the PowerEdge R410 is designed with value and reliability for HPCC computing environments.

## **SIMPLIFIED SYSTEMS MANAGEMENT**

The next-generation of Dell OpenManage™ suite of management tools is designed to provide efficient operations and standards-based commands designed to integrate with existing systems for effective control.

Dell Management Console (DMC) helps simplify operations and create stability by shrinking infrastructure management to one console. This console delivers a single view and a common data source into the entire infrastructure management. Built on Symantec® Management Platform, it has an easily extensible, modular foundation that can provide basic hardware management or more advanced functions, such as asset and security management. Dell Management Console is designed to reduce or eliminate manual processes, enabling you to save time and money for more strategic technology usage.

Secure and efficient, the Dell Lifecycle Controller delivers "Instant On" integrated manageability through a single access point. The Unified Server Configurator (USC) interface enables persistent access to the tool because it is embedded and integrated into the system for significant flexibility and capabilities. The Lifecycle Controller is a one-stop shop for deploying operating systems with built-in driver installations, BIOS and firmware update and rollback, hardware configuration, and diagnostics.

Form Factor	1U RACK
<b>Processors</b>	Latest Dual-Core or Quad-Core Intel® Xeon® 5500 Series Processors
<b>Processor Sockets</b>	2
<b>Front Side Bus or HyperTransport</b>	Intel® QuickPath Interconnect (QPI)
<b>L2/L3 Cache</b>	4MB and 8MB
<b>Chipset</b>	Intel 5500 Chipset
<b>Memory</b>	Up to 64GB (8 DIMM slots*): 1GB/2GB/4GB/8GB DDR3 800MHz, 1066MHz or 1333MHz
<b>I/O Slots</b>	1 PCIe x 16 (True x16, Gen2), 1 Proprietary for SAS 6/iR Modular card only
<b>Drive Controller</b>	Chipset based SATA, SAS 5/E, LSI2032 (for tape only)
<b>RAID Controller</b>	Optional PERC 6/i SAS/SATA controller with 256MB cache, PERC 6/E
<b>Drive Bays</b>	4x 3.5" Cabled Hard Drive Or 4 x 3.5" Hot-swap Hard Drive Or 4x 2.5" Hot-swap hard Drive And One slim type drive bay for DVD-ROM or DVD+/-RW
<b>Maximum Internal Storage</b>	Up to 4 TB SATA or Near Line SAS
<b>Hard Drives</b>	3.5" SATA ( 7.2K rpm) 160GB, 250GB, 500GB, 750GB, 1000GB 3.5" Near Line SAS ( 7.2K rpm) 500GB, 750GB, 1000GB 3.5" SAS (15K rpm) 146GB, 300GB, 450GB 3.5" SAS (10K rpm) 600GB 2.5" SAS (10K rpm) 73GB, 146GB, 300GB 2.5" SATA SSD 25GB, 50GB
<b>Tape Support</b>	All External: RD1000, DAT-72, LTO2-L, LTO3-060, LTO4-120, full height versions also available.
<b>Network Interface Cards</b>	Embedded Dual-port Broadcom NetXtreme II 5716 Gigabit Ethernet
<b>Power Supply</b>	Non-Redundant, 480W (80+ BRONZE) Optional Redundant, 500W (80+ GOLD)
<b>Availability</b>	Quad-pack LED Diagnostic or LCD diagnostic with hot-swap HDD chassis; TPM; optional hot-swap hard drives; optional hot-swap redundant power supply; optional PERC 6/i RAID controller with battery-backed cache; tool-less hot-swap hard drive chassis
<b>Video</b>	Integrated Matrox G200
<b>Remote Management</b>	BMC, IPMI2.0 compliant Optional iDRAC6 Enterprise, iDRAC6 Express
<b>Systems Management</b>	Dell OpenManage
<b>Rack Support</b>	1U Rack
<b>Operating Systems</b>	Microsoft® Windows Server® Microsoft® Windows Standard Business Server Novell SUSE® Linux® Red Hat® Linux® Enterprise

\*\*\* Typical configuration means the system is populated with projected average quantity, type, capacity, speed, etc., of components.

\*\*\* LwA – UL is the upper limit sound power levels (LwA) calculated per section 4.4.1 of ISO 9296 (1988) and measured in accordance to ISO 7779 (1999).

\*\*\*\* LpAm is the average bystander position A-Weighted sound pressure level calculated per section 4.4.4 of ISO 9296 (1988) and measured in accordance to ISO 7779 (1999).

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## Redapt Systems, Inc.

12226 134th Court NE  
Redmond, WA 98052  
[www.redapt.com](http://www.redapt.com)



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