Dell PowerEdge T710

The Dell™ PowerEdge™ T710 provides outstanding performance, availability and value in a 2S tower server for enterprise, remote workgroups, and growing businesses.

The Dell PowerEdge T710 features include the performance of Intel® Xeon® processor 5500 and 5600 series, the availability of up to 16 hard drive discs, DDR3 memory, excellent I/O capacity, and available redundant power.

The PowerEdge T710 was developed with a purposeful design—energy-optimized technology, advanced virtualization capabilities and simplified systems management.

Purposeful Design

The PowerEdge T710 takes advantage of Dell's outstanding system commonality and reliability. Consistent component layout and purposeful placement of interface ports and power supplies enable easy installation and redeployment. The PowerEdge T710 purposeful design provides a standard LCD screen positioned by the front of the bezel for ease of monitoring.

Robust, metal hard drive carriers and organized cabling are designed to improve component access and airflow across the server. Designed for easy rack installation, the PowerEdge T710 offers an all-steel cable management arm to help eliminate creep.

Energy-Optimized Technology

Energy efficiency is designed at the system level on the PowerEdge T710 to help reduce power consumption while increasing performance capacity. Improvements include enhanced power supply units, an efficient fan design, and policy-driven power management.

Energy Smart 90%+ efficient power supply units are provided on the PowerEdge T710. A robust fan cage design with a single pull fan module helps improve airflow and enable fast, easy maintenance. Power Management features include power capping, power inventory, and power budgeting to best manage power in your specific environment.

Advanced Virtualization

Featuring Intel® Xeon® processors 5500 series, embedded hypervisors, and expanded memory and I/O, Dell servers offer better overall system performance and virtual machine-per-server capacity than ever before.

Dell provides a smart path to virtualization that is grounded in choice and defined by industry standards. Choose your hypervisor from market leaders such as VMware® and Microsoft®, enabling virtualization with a few mouse clicks.

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.

Inspired by IT professionals, the PowerEdge T710 is rackable as a 5U and ideal for server consolidation.

Feature	Technical Specification	
Form Factor	Tower or 5U racked	
Processors	Latest quad-core or six-Core Intel® Xeon® 5500 and 5600 series processors	
Processor Sockets	2	
Front Side Bus or HyperTransport	Intel® QuickPath Interconnect (QPI)	
Cache	4MB and 8MB	
Chipset	Intel® 5520 Chipset	
Memory[1]	Up to 192GB (18 DIMM slots): 1GB/2GB/4GB/8GB/16GB DDR3 800MHz, 1066MHz or 1333MHz	
I/O Slots	1 PCIe x16 + 4 PCIe x8 + 1 PCIe x4 (all G2)	
RAID Controller	**Internal:** PERC H200 (6Gb/s) PERC H700 (6Gb/s) with 512MB battery-backed cache; 512MB, 1GB Non-Volatile battery-backed cache SAS 6/iR PERC 6/i with 256MB battery-backed cache PERC S100 (software based) PERC S300 (software based)	**External:** PERC H800 (6Gb/s) with 512MB of battery-backed cache; 512MB, 1GB Non-Volatile battery-backed cache SAS 6/iR PERC 6/E with 256MB or 512MB of battery-backed cache **External HBAs (non-RAID):** 6Gbps SAS HBA SAS 5/E HBA LSI2032 PCIe SCSI HBA
Drive Bays	16 x 2.5" Hard Drive Option or 8 x 3.5" Hard Drive Option; Two media bays support optical drives and / or Tape Backup Unit	
Maximum Internal Storage	Up to 8 TB SATA or Near Line SAS	
Hard Drives[1]	2.5" SAS (10K rpm): 73GB, 146GB, 300GB, 600GB 2.5" SAS (15K RPM): 73GB3, 146GB3 2.5" SATA II (7.2K RPM): 80GB3, 160GB3, 250GB3, 500GB3 2.5" Solid State Drives: 25GB3, 50GB3 2.5" Solid State Drives: 25GB3, 50GB3, 100GB3	3.5" SATA (7.2K): 160GB3, 250GB3, 500GB3, 750GB, 1TB3 3.5" SATA (10K): 600GB3 3.5" SAS (15K): 146GB, 300GB3 , 450GB3 3.5" 6Gps SAS (7.2K): 2TB 3.5" Near-Line SAS (7.2K): 500GB, 750GB, 1TB3
Communications	Dual embedded Broadcom® NetXtreme II™ 5709c Gigabit Ethernet NIC with failover and load balancing (4 total ports). TOE (TCPIP Offload Engine) supported on Microsoft® Windows Server® 2003, SP1 or higher with Scalable Networking Pack **Optional 1GBe and 10GBe add-in NICs:** Broadcom® NetXtreme II® 57711 Dual Port Direct Attach 10Gb Ethernet PCI-Express Network Interface Card with TOE and iSCSI Offload Intel® Gigabit ET Dual Port Server Adapter and Intel® Gigabit ET Quad Port Server Adapter Dual Port 10GB Enhanced Intel® Ethernet Server Adapter X520-DA2 (FcoE Ready for Future Enablement) Brocade® CNA dual-port adapter; Emulex® CNA iSCSI HBA stand up adapter OCE10102-IX-D **Optional Add-in HBAs:** Brocade® FC4 and 8 GB HBAs	
Power Supply	Two Hot plug redundant PSUs – 1100 Watts	
Availability	DDR3, hot-plug hard drives; optional hot-plug redundant power supplies; dual embedded NICs with failover and load balancing support (4 total ports) ; optional PERC6/i integrated daughtercard controller with battery-backed cache; hot-plug redundant cooling; tool-less chassis; fibre and SAS cluster support; validated for Dell/EMC SAN	
Video	Integrated Matrox G200	
Remote Management	iDRAC6, Optional iDRAC6 Enterprise	
Systems Management	Dell™ OpenManage™	
Rack Support	4-post (Dell rack), 3rd party Versa rails, sliding rails and cable management arm 1U/2U Rail Attachment Brackets	
Operating Systems	Microsoft® Windows® Small Business Server 2008 Microsoft® Windows® Essential Business Server 2008 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® **Optional Embedded Hypervisors:** Citrix® Xenserver™ Microsoft® Hyper-V™ via Microsoft® Windows Server® 2008 VMware® vSphere™ 4.1 (including VMware ESX® 4.1 or VMware ESXi™ 4.1) For more information on the specific versions and additions, visit www.dell.com/OSsupport.	
Featured Database Applications	Microsoft® SQL Server® solutions (see Dell.com/SQL) Oracle® database solutions (see Dell.com/Oracle)	

[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.

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.

Simplify your servers at Dell.com/PowerEdge