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Dell PowerEdge T620

An enterprise-class, 2-socket tower server, the Dell™ PowerEdge™ T620 emphasizes high performance and high availability with built-in room for growth.

The Dell PowerEdge T620 is a feature-rich, 2-socket tower server with up to 24 DIMMs, storage capacity of up to 32 drive bays, and Intel® Xeon® E5 processing power. The T620 shines in its ability to handle demanding virtualization environments with up to 16 processor cores and high memory density. The T620 is an excellent platform for key workloads such as databases, web serving, customer relationship management (CRM), desktop virtualization, medical imaging and security management.

Designed for demanding small and medium business environments

The extensive memory (768GB), large local storage capacity, and I/O flexibility in the PowerEdge T620 make it an attractive platform for server consolidation projects. The T620 features allow you to achieve space savings, utilize your IT administrator's time more efficiently and minimize potential software licensing fees.

The T620 is a flexible server with excellent energy efficiency and acoustical performance, allowing it to be placed into quiet office settings, like remote branches and open office environments. The T620 can also be rack-mounted for your growing environments.

Businesses and organizations with remote offices need not worry, as the T620 offers consistent worldwide support.

Safeguard your data and business

Features that protect data and help keep the server running are essential. The T620 and its large storage capacity offers both software-based RAID and hardware RAID controllers to protect critical business information with several RAID options. The features that help to keep your business up and running include reliability, availability and serviceability (RAS) options like hot-swappable fans, disks and power

supplies, along with redundant, failsafe hypervisors that minimize the need to take a server out of production to replace parts.

The PowerEdge server line

The PowerEdge family is engineered with the right combination of features and performance scalability to handle tough workloads for businesses and organizations of all sizes.

The Dell OpenManage™ systems management portfolio includes Dell Remote Access Controller (iDRAC) 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. OpenManage integrates and connects to third-party systems management solutions so you can maintain your single point of control and capitalize on your existing investment. OpenManage simplifies the lifecycle of deploying, updating, monitoring and maintaining your Dell PowerEdge servers.

PowerEdge T620

- Up to 24 DIMMs
- PCIe Gen3-enabled expansion slots
- Up to 32 x 2.5" or 12 x 3.5" hard drives
- Optional hot-plug, front-access PCIe SSDs
- Optional internal GPU accelerators

Feature	PowerEdge T620 Technical Specification	
Form Factor	Tower (5U rackable)	
Processors	Intel® Xeon® processor E5-2600 product family	
Processor Sockets	2	
Internal Interconnect	2 x Intel QuickPath Interconnect (QPI) links; 6.4 GT/s; 7.2 GT/s; 8.0 GT/s	
Cache	2.5MB per core; core options: 2, 4, 6, 8	
Chipset	Intel C600	
Memory	Up to 768GB (24 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MHz	
I/O Slots	7 PCIe slots: - Four x16 slots with x16 bandwidth, full-length, full-height - Two x8 slots with x8 bandwidth, full-length, full-height - One x8 slot with x4 bandwidth, half-length, half-height	
RAID Controller	Internal controllers: PERC S110 (SW RAID) PERC H310 PERC H710 PERC H710P	External HBAs (RAID): PERC H810 External HBAs (non-RAID): 6Gbps SAS HBA
Drive Bays	Choose from eight 3.5" hot-swap drive bays plus four PCIe SSD drives (optional), twelve 3.5" hot-swap drive bays, sixteen 2.5" hot-swap drive bays plus four PCIe SSD drives (optional), or thirty-two 3.5" hot-swap drive bays	
Maximum Internal Storage	Up to 36TB	
Hard Drives ¹	Hot-plug hard drive options: 2.5" PCIe SSD, SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K) 3.5" nearline SAS (7.2K), SATA (7.2K), SAS (15K) Self-Encrypting Drives available	
Embedded NIC	Intel Dual port 1GbE LOM	
Power Supply	Platinum efficiency 495W, 750W, or 1100W Auto-ranging power supplies	
Availability	High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; hot-plug redundant fan; optional bezel; luggage-tag; ECC memory; interactive LCD screen; extended thermal support; ENERGY STAR® compliant; extended power range; switch agnostic partitioning (SWAP)	
Remote Management	iDRAC7 with Lifecycle Controller iDRAC7 Express (default), iDRAC7 Enterprise (upgrade), 8GB vFlash media (upgrade), 16GB vFlash media (upgrade)	
Systems Management	IPMI 2.0 compliant Dell OpenManage™ Essentials and Dell Management Console Dell OpenManage Power Center Dell OpenManage Connections: - Dell OpenManage Integration Suite for Microsoft® System Center - Dell plug-in for VMware® vCenter™ - HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management	
Rack Support	ReadyRails™ sliding rails with optional cable management arm for 4-post racks (optional adapter brackets required for threaded-hole racks)	
Operating Systems	Microsoft® Windows Server® 2008 R2 SP1, x64 (includes Hyper-V™ v2) Microsoft Windows® Small Business Server 2011 SUSE® Linux® Enterprise Server Red Hat® Enterprise Linux Optional embedded hypervisors: Citrix® XenServer™ VMware vSphere™	

For more information on the specific versions and additions, visit Dell.com/OSsupport.

¹ 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.

Global services and support

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 total cost of ownership.

OEM-ready version available

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.

Learn more at Dell.com/Partner/PowerEdge

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