



# PowerEdge T620

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

The PowerEdge T620 is a feature-rich, two-socket tower server powered by the Intel® Xeon® processor E5-2600 or E5-2600 v2 product families. The T620 has up to 24 DIMMs and storage capacity of up to 32 drive bays. With up to 24 processor cores and high memory density, the T620 shines in its ability to handle demanding virtualization environments and is an excellent choice for key workloads such as databases, web serving, customer relationship management (CRM), medical imaging and security management.

## Designed for demanding small and medium business environments

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

A flexible server with excellent energy efficiency and acoustical performance, the PowerEdge T620 is a good fit for quiet office settings, remote branches and open office environments. The T620 can be rack-mounted for growing environments. And with consistent worldwide support, businesses and organizations with remote offices have no need for worry.

## Safeguard your data and business

The T620, with its large storage capacity, offers both software-based RAID and hardware RAID controllers to protect critical business information with several RAID options. Features to ensure your business is always up and running include reliability, availability and serviceability (RAS) options like hot-pluggable fans, disks and power supplies, along with redundant, failsafe hypervisors that minimize the need to take a server out of use to replace parts.

## Enterprise-wide systems management

PowerEdge embedded management technology, Integrated Dell Remote Access Controller 7 (iDRAC7) with Lifecycle Controller, helps IT administrators manage Dell servers in physical, virtual, local and remote environments — agent-free or with a systems management software agent installed. **iDRAC7 Enterprise** features include a multi-admin virtual console, virtual media and remote file share that enable IT administrators to operate servers "as if they were there," ensuring secure access to servers from anywhere in the world.

**OpenManage Essentials**, a comprehensive monitoring and management console available as a no-charge software download, simplifies and automates basic hardware management tasks while Dell SupportAssist helps you maintain a healthy and productive environment.

## PowerEdge T620

- Up to 24 DIMMs
- PCIe 3.0-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	
<b>Form factor</b>	Tower (5U rackable)	
<b>Processors</b>	Intel® Xeon® processor E5-2600 or E5-2600 v2 product families	
<b>Processor sockets</b>	2	
<b>Internal interconnect</b>	2 x Intel QuickPath Interconnect (QPI) links; 6.4GT/s, 7.2GT/s, 8.0GT/s	
<b>Cache</b>	2.5MB per core; core options: 4, 6, 8, 10, 12	
<b>Chipset</b>	Intel C602	
<b>Memory<sup>1</sup></b>	Up to 768GB (24 DIMM slots); 2GB/4GB/8GB/16GB/32GB/64GB DDR3 up to 1866MT/s	
<b>I/O slots</b>	7 PCIe slots: <ul style="list-style-type: none"> <li>Four x16 slots with x16 bandwidth, full-length, full-height</li> <li>Two x8 slots with x8 bandwidth, full-length, full-height</li> <li>One x8 slot with x4 bandwidth, full-length, full-height</li> </ul>	
<b>RAID controllers</b>	<b>Internal controllers:</b> PERC S110 (SW RAID) PERC H310 PERC H710 PERC H710P	<b>External HBAs (RAID):</b> PERC H810 <b>External HBAs (non-RAID):</b> 6Gbps SAS HBA
<b>Drive bays</b>	Choose from 8 x 3.5" hot-plug drive bays plus 4 x PCIe SSD drives (optional), 12 x 3.5" hot-plug drive bays, 16 x 2.5" hot-plug drive bays plus 4 x PCIe SSD drives (optional), or 32 x 2.5" hot-plug drive bays	
<b>Maximum internal storage<sup>1</sup></b>	Up to 48TB	
<b>Hard drives</b>	<b>Hot-plug hard drive options:</b> 2.5" PCIe SSD, SAS SSD, SATA SSD, SAS (15K, 10K), nearline SAS (7.2K), SATA (7.2K), SAS 512n (15K) 3.5" nearline SAS (7.2K), SATA (7.2K), SAS (15K) Self-encrypting drives available	
<b>Embedded NIC</b>	Intel dual-port 1GbE LOM	
<b>Power supplies</b>	Titanium efficiency 750W AC power supply; Auto-ranging Platinum efficiency 495W, 750W, or 1100W AC power supply 1100W DC power supply	
<b>Availability</b>	High-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; hot-plug redundant fan; optional bezel; information tag; ECC memory; interactive LCD screen; extended thermal support; ENERGY STAR® compliant; switch independent partitioning	
<b>Remote management</b>	iDRAC7 with Lifecycle Controller Express (default) iDRAC7 Enterprise (upgrade) 8GB vFlash media (upgrade) 16GB vFlash media (upgrade)	
<b>Systems management</b>	IPMI 2.0 compliant Dell OpenManage Essentials Dell OpenManage Mobile Dell OpenManage Power Center	<b>Dell OpenManage Integrations:</b> <ul style="list-style-type: none"> <li>Dell OpenManage Integration Suite for Microsoft System Center</li> <li>Dell OpenManage Integration for VMware® vCenter</li> </ul> <b>Dell OpenManage Connections:</b> <ul style="list-style-type: none"> <li>HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management</li> <li>Dell OpenManage Plug-in for Oracle® Database Manager</li> </ul>
<b>Rack support</b>	ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or toolled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm. Rack mount model available (must be ordered at time of initial purchase).	
<b>Operating systems</b>	Microsoft Windows® Server® 2012 R2 (includes Hyper-V) Microsoft Windows Server® 2012 Microsoft Windows Server 2008 R2 SP1, x64 (includes Hyper-V) Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux®	<b>Optional embedded hypervisors:</b> Citrix® XenServer® VMware vSphere® ESXi™ Red Hat Enterprise Virtualization® For more information on the specific versions and additions, visit <a href="http://Dell.com/OSsupport">Dell.com/OSsupport</a> .
<b>OEM-ready version</b>	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 <a href="http://Dell.com/OEM">Dell.com/OEM</a> .	

<sup>1</sup> GB equals 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

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.

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