



# Dell PowerEdge T320

The Dell™ PowerEdge™ T320 features performance and reliability in a quiet, 1-socket tower server.

Designed for a broad range of workloads and applications, the Dell PowerEdge T320 delivers performance, reliability and value in its 1-socket tower form factor. The PowerEdge T320 is an excellent fit for a wide range of general-purpose applications, such as file and print, email and messaging, productivity applications, data coordination and sharing. The T320's feature set also fits the requirements of departments and workgroups of large enterprises and organizations. The robust design and simplified manageability make it a trustworthy server for small and medium businesses, and for branch offices and remote sites that might not have technical IT skills onsite.

## Powerful and quietly confident

Boasting up to six DIMM slots of memory, five PCIe slots for broad I/O bandwidth, and driven by the extensive performance of the Intel® Xeon® E5-2400 processors, the T320 delivers balanced performance and built-in room for growth. Capacity for up to eight 3.5-inch or sixteen 2.5-inch hard drives accommodate storage as your business or organization expands.

To protect your virtualized workloads, the T320 offers redundant dual SD media cards making your hypervisors failsafe. Other reliability and availability features that give you peace of mind include hot-plug hard drives, both hardware and software RAID options, redundant fans and hot-plug power supplies. Last, but not least, the T320's quiet acoustical profile allows it to fit unobtrusively into quiet office environments.

## 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 T320

- Enterprise computing with Intel Xeon processors E5-2400
- Up to sixteen 2.5-inch or eight 3.5-inch drive capacity
- Up to six DIMMs with RAS
- PCIe 3.0-enabled expansion slots
- Optional internal GPU accelerators

Feature	PowerEdge T320 technical specification	
Form factor	Tower (5U rackable)	
Processors	Intel® Xeon® processor E5-2400 product family Intel Xeon processor E5-1410 Intel Pentium® processor 1400 product family	
Processor sockets	1	
Internal interconnect	Intel DMI 2.0	
Cache	2.5MB per core; core options: 2, 4, 6, 8	
Chipset	Intel C600 series	
Memory <sup>1</sup>	Up to 192GB (6 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MT/s	
I/O slots	<b>5 PCIe slots:</b> <ul style="list-style-type: none"> <li>• One x16 slot with x16 bandwidth, 3.0, full-length, full-height</li> <li>• One x8 slot with x4 bandwidth, 3.0, half-length, full-height</li> <li>• One x8 slot with x4 bandwidth, 2.0, half-length, full-height</li> <li>• One x8 slot with x4 bandwidth, 3.0, full-length, full-height</li> <li>• One x8 slot with x1 bandwidth, 2.0, full-length, full-height</li> </ul>	
GPU options	One NVIDIA® Quadro® 6000 or 4000 graphics card	
RAID controller	<b>Internal controllers:</b> PERC S110 (SW RAID) PERC H310 PERC H710 PERC H710P	<b>Internal HBAs (non-RAID):</b> Internal tape adapter <b>External HBAs (RAID):</b> PERC H810 <b>External HBAs (non-RAID):</b> 6Gbps SAS HBA
Drive bays	Choose from four 3.5" cabled, eight 3.5" hot-plug, or sixteen 2.5" hot-plug drive bays	
Maximum internal storage <sup>1</sup>	Up to 32TB	
Hard drives	<b>Hot-plug hard drive options:</b> 2.5" SATA, nearline SAS, SAS (15K, 10K), SAS SSD, SATA SSD 3.5" SATA, nearline SAS, SAS (15K) Self-encrypting drives available	<b>Cabled hard drive options:</b> 3.5" SATA, nearline SAS, SAS (15K)
Embedded NIC	Broadcom® 5720 Dual Port 1Gb LOM	
I/O adapter options	<b>1Gb Ethernet:</b> Broadcom 5720 Dual Port 1Gb NIC Broadcom 5719 Quad Port 1Gb NIC Intel I350 Dual Port 1Gb stand-up adapter Intel I350 Quad Port 1Gb stand-up adapter	<b>FC4 HBA:</b> QLogic QLE2460 4Gb Single Port FC HBA QLogic QLE2462 4Gb Dual Port FC HBA
Power supply	Platinum efficiency, hot-plug, redundant 495W or 750W power supply Silver efficiency, cabled 350W power supply Auto-ranging power supplies	
Availability	Optional high-efficiency, hot-plug, redundant power supplies; hot-plug drive bays; TPM; dual internal SD support; redundant fans; optional bezel; information tag; ECC memory; optional interactive LCD screen; extended thermal support; ENERGY STAR® compliant	
Remote management	Basic management (default) iDRAC7 with Lifecycle Controller iDRAC7 Express (upgrade option) or iDRAC7 Enterprise (upgrade option) 8GB or 16GB vFlash media (upgrade options)	
Systems management	IPMI 2.0 compliant OpenManage™ Essentials and Dell Management Console OpenManage Power Center Dell OpenManage Connections: <ul style="list-style-type: none"> <li>• OpenManage Integration Suite for Microsoft® System Center</li> <li>• Dell plug-in for VMware® vCenter®</li> <li>• HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management (NSM)</li> </ul>	
Rack support	ReadyRails™ II sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes or tooled mounting in 4-post threaded hole racks, with support for optional tool-less cable management arm	
Operating systems	Microsoft Windows Server® 2012 Microsoft Windows Server 2012 Essentials Microsoft Windows Server 2008 R2 SP1, x64 (includes Hyper-V® v2) Microsoft Windows® Small Business Server 2011 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux® <b>Optional embedded hypervisors:</b> Citrix® XenServer® VMware® vSphere® ESX™ and 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> .	

<sup>1</sup> GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

## 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](http://Dell.com/OEM).

## Learn more at [Dell.com/PowerEdge](http://Dell.com/PowerEdge)

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