



PowerEdge T320

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

Designed to excel at a broad range of workloads and applications, the PowerEdge T320 delivers performance, reliability and value in its one-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 IT staffing.

Powerful and quietly confident

The T320's quiet acoustical profile allows it to fit unobtrusively into quiet office environments. And with up to six DIMM slots of memory, five PCI Express® (PCIe) slots for broad I/O bandwidth and the power of the Intel® Xeon® processor E5-2400 and E5-2400 v2 product families, the T320 delivers balanced performance and built-in room for growth. With capacity for up to eight 3.5-inch or sixteen 2.5-inch hard drives, the T320 accommodates your storage needs as your business or organization expands.

Protection for virtualized workloads

The PowerEdge T320 offers redundant dual SD media cards for failsafe hypervisors and protection for your virtualized workloads. Additional reliability and availability features include hot-plug hard drives, both hardware and software RAID options, redundant fans and hot-plug power supplies.

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 which enable IT admins 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 T320

- Intel Xeon E5-2400 and E5-2400 v2 processors
- 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

Feature	PowerEdge T320 technical specification
Form factor	Tower (5U rackable)
Processors	Intel® Xeon® processor E5-1410, E5-2400 and E5-2400 v2 product families; Intel Pentium® 1400 series
Processor sockets	1
Internal interconnect	Intel DMI 2.0
Cache	2.5MB per core; core options: 4, 6, 8, 10
Chipset	Intel C602
Memory ¹	Up to 192GB (6 DIMM slots): 2GB/4GB/8GB/16GB/32GB DDR3 up to 1600MT/s
I/O slots	5 PCIe slots: <ul style="list-style-type: none"> 1 x16 with x16 bandwidth, 3.0, full-length, full-height 1 x8 with x4 bandwidth, 3.0, half-length, full-height 1 x8 with x4 bandwidth, 2.0, half-length, full-height 1 x8 with x4 bandwidth, 3.0, full-length, full-height 1 x8 with x1 bandwidth, 2.0, full-length, full-height
GPU options	One NVIDIA® Quadro® 6000 or 4000 graphics card
RAID controller	Internal controllers: PERC S110 (SW RAID); PERC H310; PERC H710; PERC H710P Internal HBAs (non-RAID): Internal tape adapter External HBAs (RAID): PERC H810 External HBAs (non-RAID): 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 ¹	Up to 32TB
Hard drives	Hot-plug hard drive options: 2.5" SATA, nearline SAS, SAS (15K, 10K), SAS SSD, SATA SSD 3.5" SATA, nearline SAS, SAS (15K) Self-encrypting drives available Cabled hard drive options: 3.5" SATA, nearline SAS, SAS (15K)
Embedded NIC	Broadcom® 5720 dual-port 1Gb LOM
I/O adapter options	1Gb Ethernet: 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 FC4 HBA: 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 Dell OpenManage Essentials Dell OpenManage Mobile Dell OpenManage Power Center Dell OpenManage Integrations: <ul style="list-style-type: none"> Dell OpenManage Integration Suite for Microsoft System Center Dell OpenManage Integration for VMware® vCenter Dell OpenManage Connections: <ul style="list-style-type: none"> HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management Dell OpenManage Plug-in for Oracle® Database Manager
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 R2 (includes Hyper-V®) Microsoft Windows Server 2012 Microsoft Windows Server 2012 Essentials Microsoft Windows Server 2008 R2 SP1, x64 (includes Hyper-V) Microsoft Windows Small Business Server 2011 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux® Optional embedded hypervisors: Citrix® XenServer® VMware vSphere® ESXi™ Red Hat Enterprise Virtualization® For more information on the specific versions and additions, visit Dell.com/OSSupport .
OEM-ready version	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 .

¹ GB equals 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will

Global services and support

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