

Flexible two-socket tower server for enterprise workloads outside of the traditional data center

The Dell EMC PowerEdge T550 balances expandability and performance and offers advanced technologies such as accelerators to address enterprise-class workloads.



Innovate at scale with an expandable tower server for enterprise workloads

The Dell EMC PowerEdge T550, powered by the 3rd Generation Intel® Xeon® Scalable processors, is an enterprise-class tower server that offers advanced technologies and support for accelerators. The PowerEdge T550 provides office-friendly acoustics, ease of management and expandability for growth and performance. Powerful and versatile, the PowerEdge T550 addresses business critical workloads, cloud infrastructure, and database management as well as enterprise level requirements for data analysis, virtualization, and AI/ML/inferencing.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell EMC OpenManage systems management portfolio tames the complexity of managing and securing IT infrastructure. Using Dell Technologies' intuitive end-to-end tools, IT can deliver a secure, integrated experience by reducing process and information silos in order to focus on growing the business. The Dell EMC OpenManage portfolio is the key to your innovation engine, unlocking the tools and automation that help you scale, manage, and protect your technology environment.

- Built-in telemetry streaming, thermal management, and RESTful API with Redfish offer streamlined visibility and control for better server management
- Intelligent automation lets you enable cooperation between human actions and system capabilities for added productivity
- Integrated change management capabilities for update planning and seamless, zero-touch configuration and implementation
- Full-stack management integration with Microsoft, VMware, ServiceNow, Ansible and many other tools

Protect your data assets and infrastructure with proactive resilience

The Dell EMC PowerEdge T550 server is designed with a cyber-resilient architecture, integrating security deeply into every phase in the lifecycle, from design to retirement.

- Operate your workloads on a secure platform anchored by cryptographically trusted booting and silicon root of trust
- Maintain server firmware safety with digitally signed firmware packages
- Prevent unauthorized configuration or firmware change with system lockdown
- Securely and quickly wipe all data from storage media, including
- hard drives, SSDs and system memory with System Erase

PowerEdge T550

The Dell EMC PowerEdge T550 is designed to address enterprise-class workloads.

Ideal for:

- Business critical workloads
- Database and Analytics
- Virtualization
- AI/ML and inferencing

Feature	Technical Specifications	
Processor	Up to two 3rd Generation Intel Xeon Scalable processors with up to 32 cores per processor	
Memory	<ul style="list-style-type: none"> 16 DDR4 DIMM slots, supports RDIMM 1 TB max, speeds up to 3200 MT/s Supports registered ECC DDR4 DIMMs only 	
Storage controllers	<ul style="list-style-type: none"> Internal controllers: PERC H345, PERC H755, S150, H755N, HBA355i Internal Boot: Internal Dual SD Module, USB, Boot Optimized Storage Subsystem (BOSS-S2): HWRAID 2 x M.2 SSDs External PERC (RAID): PERC H840 External HBAs (non-RAID): HBA355e 	
Drive Bays	<p>Front bays:</p> <ul style="list-style-type: none"> Up to 8 x 2.5-inch SAS/SATA (HDD) max 120 TB Up to 16 x 2.5-inch SAS/SATA (HDD) max 240 TB Up to 24 x 2.5-inch SAS/SATA (HDD) max 360 TB Up to 8 x 3.5-inch SAS/SATA (HDD/SAS) max 120 TB Up to 8 x 3.5-inch SAS/SATA (HDD) + 8 x 2.5-inch NVMe (SSD) max 240 TB 	
Power Supplies	<ul style="list-style-type: none"> 600W Platinum 100–240 VAC or 240 HVDC, hot swap redundant 800W Platinum 100–240 VAC or 240 HVDC, hot swap redundant 1100W Titanium 100–240 VAC or 240 HVDC or -48 V, hot swap redundant 1400W Platinum 100–240 VAC or 240 HVDC, hot swap redundant 2400W Platinum 100–240 VAC or 240 HVDC, hot swap redundant 	
Cooling options	Air cooling	
Fans	<ul style="list-style-type: none"> Standard (STD) fans/High performance (HPR) Silver fans Up to eight hot swap fans 	
Dimensions	<ul style="list-style-type: none"> Height – 459.0 mm (18.07 inches) Width – 200.0 mm (7.87 inches) Depth – 663.5 mm (26.12 inches) – without bezel 680.5 mm (26.79 inches) – with bezel 	
Form Factor	5U tower server	
Embedded Management	<ul style="list-style-type: none"> iDRAC9 iDRAC Direct iDRAC RESTful API with Redfish iDRAC Service Module Quick Sync 2 wireless module 	
Bezel	Optional LCD bezel or security bezel	
OpenManage Software	<ul style="list-style-type: none"> OpenManage Enterprise OpenManage Power Manager plugin OpenManage SupportAssist plugin OpenManage Update Manager plugin 	
Mobility	OpenManage Mobile	
Integrations and Connections	<p>OpenManage Integrations</p> <ul style="list-style-type: none"> BMC Truesight Microsoft System Center OpenManage Integrations Red Hat Ansible Modules VMware vCenter and vRealize Operations Manager 	<p>OpenManage Connections</p> <ul style="list-style-type: none"> IBM Tivoli Netcool/OMNIBus IBM Tivoli Network Manager IP Edition Micro Focus Operations Manager OpenManage Connections Nagios Core Nagios XI
Security	<ul style="list-style-type: none"> Cryptographically signed firmware Secure Boot Secure Erase Silicon Root of Trust System Lockdown (requires iDRAC9 Enterprise or Datacenter) TPM 1.2/2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ 	
Embedded NIC	2 x 1 GbE LOM	
Network Options	1 x OCP 3.0	
GPU Options	Up to two double wide 300W NVIDIA A40, or five single wide 70W NVIDIA T4 accelerators	
Ports	<p>Front Ports</p> <ul style="list-style-type: none"> 1 x iDRAC Direct (Micro-AB USB) port (optional) 1 x USB 2.0 1 x USB 3.0 <p>Internal Ports</p> <ul style="list-style-type: none"> 1 x USB 3.0 (optional) 	<p>Rear Ports</p> <ul style="list-style-type: none"> 1 x USB 2.0 1 x iDRAC ethernet port 1 x Serial (optional) 1 x USB 3.0 1 x VGA
PCIe	<p>5 x PCIe Gen4 slots + 1 x PCIe Gen3 slot</p> <ul style="list-style-type: none"> 3 x16 Gen4 (x16 connector) full height, half length 1 x4 Gen3 (x8 connector) full height, half length 2 x16 Gen4 (x16 connector) full height, full length (optional) 	

Feature	Technical Specifications
Operating System and Hypervisors	<ul style="list-style-type: none"> • Canonical Ubuntu Server LTS • Citrix Hypervisor • Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi For specifications and interoperability details, see Dell.com/OSsupport .
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 .

Recommended support and services

Dell ProSupport Plus for critical systems or Dell ProSupport for premium hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell representative today for more information. Availability and terms of Dell Services vary by region. For more information, visit www.delltechnologies.com/Services.

APEX Flex on Demand

Acquire the technology you need to support your changing business with payments that scale to match actual usage. For more information, visit www.delltechnologies.com/ondemand.

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