DELL Technologies

Specification Sheet

PowerEdge HS5620

Open platform, cloud scale servers purpose-built for Cloud Service Providers

Simplified, optimized and open

The new Dell PowerEdge HS5620 is a 2U, two-socket rack server purpose-built for Cloud Service Provider's most popular IT applications. This scalable server delivers technology optimization without the financial and operational burden of supporting extreme configurations. With tailored performance, I/O flexibility, and open ecosystem system management, you gain simplicity for large-scale, heterogeneous SaaS, PaaS, and IaaS datacenters.

Designed for your workloads

- Faster performance with up to two 5th generation Intel® Xeon® Scalable processors with up to 32 cores and 4th generation Intel® Xeon® Scalable processors with up to 32 cores per socket
- Accelerate in-memory workloads with up to 16 DDR5 RDIMMS up to 5600 MT/sec
- Accommodate storage dense workloads

Tailored to fit your needs

- Configurations that easily scale
- Validated workloads to minimize extra costs and overhead
- Option for open ecosystem management with Dell Open Server Manager built on OpenBMC™
- Save time with a broad selection of validated vendor firmware COMMs cards and SSDs

Cyber Resilient Architecture for Zero Trust IT environment & operations

Security is integrated into every phase of the PowerEdge lifecycle, including protected supply chain and factory-to-site integrity assurance. Silicon-based root of trust anchors end-to-end boot resilience while Multi-Factor Authentication (MFA) and role-based access controls ensure trusted operations.

Increase efficiency and accelerate operations with autonomous collaboration

The Dell OpenManage™ systems management portfolio delivers a secure, efficient, and comprehensive solution for PowerEdge servers. Simplify, automate and centralize one-to-many management with the OpenManage Enterprise console and iDRAC. The HS5620 offers Open Server Manager built on OpenBMC™ for open ecosystem system management.

Sustainability

From recycled materials in our products and packaging, to thoughtful, innovative options for energy efficiency, the PowerEdge portfolio is designed to make, deliver, and recycle products to help reduce the carbon footprint and lower your operation costs. We even make it easy to retire legacy systems responsibly with Dell Technologies Services.

Rest easier with Dell Technologies Services

Maximize your PowerEdge Servers with comprehensive services ranging from Consulting, to ProDeploy and ProSupport suites, Data Migration and more – available across 170 locations and backed by our 60K+employees and partners.

Cloud Scale Servers offered exclusively through the Hyperscale Next program for select customers.

PowerEdge HS5620

The Dell PowerEdge HS5620 purpose-built for cloud serviceproviders most popular IT applications:

- Virtualization
- Medium VM Density or VDI
- Software-Defined Storage Node

Feature	Technical Specifications
Processor	Up to two 5th Generation Intel Xeon Scalable processor with up to 32 cores and 4th Generation Intel Xeon Scalable processor with up to 32 cores per processor
Memory	• 16 DDR5 DIMM slots, supports RDIMM 2 TB max, speeds up to 5600 MT/s, supports registered ECC DDR5 DIMMs only
Storage controllers	• Internal Controllers: PERC H755, PERC H755N, PERC H355, HBA355i • Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 1, 2 x M.2 NVMe SSDs or USB • External HBA (non-RAID): HBA355e; Software RAID: S160
GPU Options	2 x 75 W SW, LP
Drive Bays	Front bays: • 0 drive bay • Up to 8 x 3.5-inch SAS/SATA (HDD/SSD) max 160 TB • Up to 12 x 3.5-inch SAS/SATA (HDD/SSD) max 240 TB • Up to 8 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 122.88 TB • Up to 16 x 2.5-inch SAS/SATA (HDD/SSD) max 121.6 TB • Up to 16 x 2.5-inch (SAS/SATA) + 8 x 2.5-inch (NVMe) (HDD/SSD) max 244.48 TB Rear bays: • Up to 2 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 30.72 TB (supported only with 12 x 3.5-inch SAS/SATA HDD/SSD configuration)
Hot swap Redundant Power Supplies	• 1800 W Titanium 200—240 VAC or 240 VDC • 1400 W Platinum 100—240 VAC or 240 VDC • 1400 W Titanium 277 VAC or HVDC (HVDC stands for High-Voltage DC, with 336V DC) • 1100 W Titanium 100—240 VAC or 240 VDC • 1100 W -(48V — 60V) DC • 800 W Platinum 100—240 VAC or 240 VDC • 700 W Titanium 200—240 VAC or 240 VDC
Cooling Options	• Air cooling
Fans	• Standard (STD) fans/High performance Silver (HPR) fans/ High performance Gold (VHP) fans, Up to 6 hot swappable fans
Dimensions and Weight	• Height – 86.8 mm (3.41 inches) • Width – 482 mm (18.97 inches) • Depth – 707.78 mm (27.85 inches) – without bezel 721.62 mm (28.4 inches) – with bezel • Weight – Max 28.6 kg (63.0 lbs.)
Form Factor	2U rack server
Embedded Management	• iDRAC9 • iDRAC Direct • iDRAC RESTful API with Redfish • iDRAC Service Module • Open Server Manager built on OpenBMC • Quick Sync 2 wireless module
Bezel	Optional LCD bezel or security bezel
OpenManage Software	• CloudIQ for PowerEdge plug in • OpenManage Enterprise • OpenManage Enterprise Integration for VMware vCenter • OpenManage Integration for Microsoft System Center • OpenManage Integration with Windows Admin Center • OpenManage Power Manager plugin • OpenManage Service plugin • OpenManage Update Manager plugin
Mobility	OpenManage Mobile
OpenManage Integrations	• BMC Truesight • Microsoft System Center • OpenManage Integration with ServiceNow • Red Hat Ansible Modules • Terraform Providers • VMware vCenter and vRealize Operations Manager
Security	• Cryptographically signed firmware • Data at Rest Encryption (SEDs with local or external key mgmt) • Secure Boot • Secure Erase • Secured Component Verification (Hardware integrity check) • Silicon Root of Trust • System Lockdown (requires iDRAC9 Enterprise or Datacenter) • TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ
Embedded NIC	2 x 1 GbE LOM
Network options	1 x OCP card 3.0 (optional)
Ports	Front Ports: • 1 x iDRAC Direct (Micro-AB USB) port, 1 x USB 2.0, 1 x VGA Internal Ports: 1 x USB 3.0 (optional) Rear Ports • 1 x Dedicated iDRAC Ethernet port, 1 x USB 2.0, 1 x USB 3.0, 1 x VGA, 1 x Serial (optional)
PCIe	• 1 CPU Configuration: Up to 4 PCIe slots (2 x8 Gen5, 1 x16 Gen4, 1 x8 Gen4) • 2 CPU configuration: Up to 6 PCIe slots (2 x16 Gen5, 3 x16 Gen4, 1 x8 Gen4)
Operating System and Hypervisors	• Microsoft Windows Server with Hyper-V • Red Hat Enterprise Linux • SUSE Linux Enterprise Server • VMware ESXi • Canonical Ubuntu Server LTS 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 -> Solutions -> OEM Solutions.

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 https://www.delltechnologies.com/en-us/payment-solutions/flexible-consumption/flex-on-demand.htm.

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