



PowerEdge C6620

Scale-out applications, not your data center footprints

The next-generation compute-dense Dell PowerEdge C6620 is a multi-node (2U4N) server designed for compute-intensive workloads. Right-sized low-latency storage makes it ideal for IOPS-heavy workloads. With improved Dell DLC (direct liquid cooling) support and expanded air-cooling coverage, thermal efficiencies can help lower energy and ownership costs while helping scale your business.

Reduce design cycles and innovate faster

Delivering breakthrough innovation, the PowerEdge C6620 enables high-performance and scale-out computing with performance and density. Requiring only half the footprint of 1U rack servers, take advantage of lowered TCO with half the infrastructure.

Max ROI

- Use up to two Next Generation Intel Xeon Scalable processors with up to 64 cores per processor and up to 8,960 cores in a standard 42U rack (compared to 4,480 cores in a 1U rack).
- Enables DDR5 at 5600 MT/s memory and PCIe Gen5 with double the speed of previous Gen4 for faster access and transport of data, optimizing application output.
- Optional liquid cooling is available to efficiently cool high-performance CPUs while reducing energy costs and carbon footprint.

Experience more container density to support the most demanding applications

The Dell PowerEdge C6620 server is designed with a cyber-resilient architecture, integrating security deeply into every phase in the lifecycle, from design to retirement.

- Deploy more containers per physical host using increased core count and higher memory footprint than previous generations.
- Reduce noisy neighbor problems by physically separating containers using multi-node infrastructure.

Expect increased expandability by storing more data in one server, saving space in your datacenter

- Support lower latency higher performance NVMe SSD in a hardware RAID solution helps maximize compute performance.
- Faster, low-latency storage with Gen5 E3.S.

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 an autonomous infrastructure

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.

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 countries and backed by our 60K+ employees and partners.

PowerEdge C6620

The Dell PowerEdge C6620 is a dense multi-node server delivering peak performance and excellent TCO. Ideal for:

- High-Performance Computing (HPC)
- Web Tech

Feature	Technical Specifications		
Chassis	Dell PowerEdge C6600 chassis		
Nodes	Up to 4 hot-swappable 2-socket C6620 sleds in a 2U C6600 chassis		
Processor	Up to two 5th Generation Intel Xeon Scalable processor with up to 64 cores and 4th Generation Intel Xeon Scalable processor with up to 56 cores per processor		
Memory	16 DDR5 DIMM slots, supports RDIMM of 4 TB max, speeds up to 5600 MT/s - Supports registered ECC DDR5 DIMMs only		
Storage controllers	- Internal controllers (RAID): PERC H965, PERC H755, PERC H355 - Internal boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 1, 2 x M.2 SSDs 480 GB or 960 GB - Internal 12 Gbps SAS HBAs (non-RAID): Internal HBA355i - Software RAID: S160		
Availability	Hot-plug redundant drives and PSUs		
Front Drive Bays	Up to 16 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) drives max 61 TB	- Up to 8 x E3.s NVMe SSD drives max 288 TB - System with no backplane	
Hot swap Redundant Power Supplies	3200W 277 VAC or 336 VDC 2800W Titanium 200-240 VAC or 240 VDC		2400W Platinum 100-240 VAC or 240 VDC 1800W Titanium 200-240 VAC or 240 VDC
Cooling Options	Air cooling, optional processor liquid cooling		
Fans	Up to 4 cold swap fans		
Dimensions	Height – 40.0 mm (1.57 inches)	Width – 174.4 mm (6.86 inches)	Depth – 549.7 mm (21.64 inches)
Weight	42.5 kg (93.69 pound)		
Embedded Management	- iDRAC9 - iDRAC Direct		- iDRAC RESTful API with Redfish - iDRAC Service Module
OpenManage Software	- CloudIQ for PowerEdge plugin - 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		
Integrations	- BMC Truesight - Microsoft System Center - OpenManage Integration with ServiceNow		- RedHat 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 - Secured Component Verification (Hardware integrity check)		- Secure Erase - 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	1 x 1 GbE		
GPU Options	Up to 2 x 75W low-profile, half-length		
Network cards	1 x OCP 3.0 x16 Gen4 (for network controller)		
Rear Ports	1 x USB 3.0 1 x iDRAC ethernet port	1 x iDRAC Direct (Micro-AB USB) port 1 x Mini-DisplayPort	
PCIe	2 x PCIe Gen5 slots: 1 x16 Gen5 (x16 PCIe) low-profile, half-length (slot 1 optional) 1 x16 Gen5 (x8 + x8 PCIe) low-profile, half-length for SNAP I/O module (slot 1 optional)		1 x16 Gen5 (x16 PCIe) low-profile, half-length (slot 2 optional) 1 x16 Gen5 (x8 PCIe) low-profile, half-length (slot 2 optional)
Operating System and Hypervisors	- Canonical Ubuntu Server LTS - Microsoft Windows Server with Hyper-V - Red Hat Enterprise Linux		- SUSE Linux Enterprise Server - VMware ESXi/vSAN 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.		

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