POWEREDGE C6525

Ideal for High Performance Dense-Computing environments

The new Dell EMC PowerEdge C6525 is a compute-dense server designed to boost data center performance to tackle a variety of High Performance Computing (HPC) workloads and applications.

Deliver breakthrough performance, innovations and density for traditional and emerging workloads

The new Dell EMC PowerEdge C6525 is a compute-dense server designed to boost data center performance to tackle a variety of High Performance Computing (HPC) workload and applications. High-level features:

- Up to 512 processing cores in a 2U/4N dense server - The most available processing cores of any 2U Dell EMC PowerEdge server
- Up to 3200MT/s memory speed to reduce latency and deliver faster response
- Faster data transfer speeds with PCIe Gen 4
- Optimized core count and memory for large datasets
- Low latency and flexible high speed fabric for highly performant clusters
- Cost optimized design with rich single-socket configurations

Increase efficiency and accelerate operations with an automated infrastructure

The Dell EMC OpenManage™ systems management portfolio delivers an efficient and comprehensive solution for PowerEdge servers through tailored, automated, and repeatable processes.

- Automate server life cycle management with scripting via the iDRAC Restful API with Redfish conformance.
- Simplify and centralize one to many management with the OpenManage Enterprise console.
- Utilize the OpenManage Mobile app to easily manage servers using a phone or tablet.
- Resolve issues with up to 72% less IT effort using automated proactive and predictive technology from ProSupport Plus and SupportAssist.**

Fortify your data center with integrated security

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

- Enhance security with platform enablement of AMD Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV).
- 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.
- Detect and remediate unauthorized or malicious change with drift detection and system lockdown.
- Securely and quickly wipe all data from storage media including hard drives, SSDs and system memory with System Erase.

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The new Dell EMC PowerEdge C6525 is a compute-dense server designed to boost data center performance to tackle a variety of High Performance Computing (HPC) workloads and applications like:

- Digital Manufacturing
- Research
- Web Tech

**Based on June 2018 Principled Technologies Report commissioned by Dell EMC, "Save time and IT effort resolving server hardware issues with ProSupport Plus and SupportAssist", compared to Basic Warranty without SupportAssist. Actual results will vary. Full report: http://facts.pt/olccpk

PowerEdge C6525

Features	Technical Specification	
Processor	One or two 2nd Generation AMD EPYC™ Processors per node configurations with up to 64 cores per processor and up to 225W (TDP)	
Memory	Up to 16 x DDR4 RDIMM 2TB Max LRDIMM 2TB Max Bandwidth up to 3200 MT/S	
Availability	Hot plug redundant Hard drives, Fans, PSUs	
Controllers	HW RAID: PERC 10.4 port for H745, H345, HBA345 Chipset SW RAID (S150): Yes	
Drive Bays	2.5" Direct Backplane configuration with up to 6 SAS/SATA drives per node, up to 24 per chassis 2.5" NVMe Backplane configuration with up to 2 NVMe drives and 4 SAS/SATA drives per node. Up to 24 drives total per chassis 3.5" Direct Backplane configuration with up to 3 SAS/SATA drives per node, up to 12 per chassis Internal: uSD card	M.2 SATA BOSS 1.0	
Power Supplies	Dual Hot-plug redundant 1600W and 2400W AC Power Supply Dual Hot-plug redundant 2000W AC/DC Mixmode Power Supply Cooling options: Air Cooling, Direct Liquid Cooling (DLC)	
Fans	Hot plug Fans	
Dimensions	Height: 86.8mm (3.4") Width: 448.0mm (17.6") Depth: 790.0mm (31.1")	Weight 45.53kg (100.3lbs) 3.5" direct backplane chassis 41.5kg (91.4lbs) 2.5" direct/NVMe backplane chassis 35.15kg (77.4lbs) no backplane chassis
Rack Units	2U/4N Rack Server	
Embedded mgmt	iDRAC9 iDRAC RESTful API with Redfish iDRAC Direct	
OpenManage™ SW	OpenManage Enterprise OpenManage Enterprise Power Manager OpenManage Mobile	
Integrations & Connections	OpenManage Integrations BMC Truesight Microsoft® System Center Redhat® Andible® Modules VMware® vCenter™	OpenManage Connections IBM Tivoli® Netcool/OMNIbus IBM Tivoli® Network Manager IP Edition Micro Focus® Operations Manager I Nagios® Core Nagios® XI
Security	Cryptographically signed firmware Secure Boot Secure Erase	Silicon Root of Trust System Lockdown TPM 1.2/2.0, TCM 2.0 optional
Embedded NIC	Single port 1GbE LOM	
Networking Options (NDC)	1x OCP 3.0	
GPU Options	1x Single-Wide GPU	

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Features	Technical Specification
Ports	Rear Ports: 1 x iDRAC Direct micro-USB port 1 x Mini-display port 1 x iDRAC or NIC port 1 x USB 3.0 port
PCIe	2x PCIe x16 Gen4 Risers 1x OCP 3.0 x16 Gen4 1x PCIe x8 Gen3 M.2 Riser
Operating Systems & Hypervisors	Canonical® Ubuntu® Server LTS CentOS based on RHEL 8.0 Kernel Citrix® HypervisorTM Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server VMware® ESXi®
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	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 Dell.com/ServiceDescriptions
Recommended services	ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/Services.

End-to-end technology solutions

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