# PowerEdge C6615

## Maximize value and minimize TCO for Scale-out Workloads

When adding or adjusting compute resources in the datacenter, the PowerEdge C6615 ensures optimal density and performance at scale. Maximize performance with improved airflow in an enhanced chassis built to support scalable computing with air-cooled thermal efficiencies that lower energy and ownership costs.

## Rich 1S Configurations for Scale-Out Computing with Increased Thermal Efficiency

The PowerEdge C6615 is designed to run workloads optimized for performance per Watt and allows for greater

configurability within existing datacenters due to it's low power form factor and improved thermal capabilities.

## Maximize ROI

- With a single 4th Gen AMD EPYC™ 8004 (Siena) Processor, you get great performance at the lowest TDP (70-225W) in the EPYC portfolio for improved performance per watt in a purpose-built, stream-lined architecture[1].
- Core scaling up to 64 cores for increased socket-level performance drives lower TCO.
- Improved airflow to cool more efficiently than other multi-node products.

## Experience more container density to support the most demanding applications

- Deploy more containers per physical host using increased core count and higher memory footprint than previous generations.
- 6 channels of DDR5 at 4800 MT/s memory and PCIe Gen5 with double the speed of previous Gen4 enable faster access and transport of data, optimizing application output.
- Reduce noisy neighbor problems by physically separating containers using single-socket multi-node infrastructure.

## Scale more efficiently within your existing datacenter

- Increase core density in existing racks and maintain core datacenter ambient temperature.
- 53% increase in air cooling configuration support over previous generation.
- 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.

1. Up to 214% performance per Watt per system cost benefit over AMD Genoa based systems[2]

2. Based on internal analysis using SpecInt 2017, AMD provided cTDP values

### PowerEdge C6615

The Dell PowerEdge C6615 is a dense multi-node server delivering peak performance and excellent TCO. Ideal for:
- Web Tech

| Feature | Technical Specifications | |
|---|---|---|
| Chassis | Dell PowerEdge C6600 chassis | |
| Nodes | Up to 4 hot-swappable 1-socket C6615 sleds in a 2U C6600 chassis | |
| Processor | One AMD EPYC processor, with up to 64 cores | |
| Memory | • 6 DDR5 DIMM slots, supports RDIMM of 384 GB (6 x 64 GB) max, speeds up to 4800 MT/s<br>• Supports registered ECC DDR5 DIMMs only | |
| Storage controllers | • Internal controllers (RAID): PERC H755N, PERC H355<br>• Internal Boot: Boot Optimized Storage Subsystem (NVMe BOSS-N1): HWRAID 1, 2 x M.2 SSDs<br>• Internal 12 Gbps SAS HBAs (non-RAID): HBA355i<br>• Software RAID: S160 | |
| Availability | Hot-plug redundant drives and PSUs | |
| Drive Bays | Front bays:<br>• Up to 16 x 2.5-inch SAS/SATA (HDD/SSD) drives max 61 TB<br>• Up to 16 x 2.5-inch SATA/NVMe drives max 15.36 TB on Universal Backplane configuration | |
| Hot swap, Redundant Power Supplies | • 3200W 277 VAC or 336 VDC<br>• 2800W Titanium 200-240 VAC or 240 VDC | • 2400W Platinum 100-240 VAC or 240 VDC<br>• 1800W Titanium 200-240 VAC or 240 VDC |
| Cooling Options | Air cooling | |
| Fans | Up to 4 cold swap fans | |
| Dimensions | • Height – 40.0 mm (1.57 inches)<br>• Width – 174.4 mm (6.86 inches)<br>• Depth – 549.7 mm (21.64 inches), 561.3 mm (22.10 inches) - SAS/SATA or NVMe or E3.S or Universal configuration | |
| Weight | 3.7 kg (8.15 pounds) | |
| Embedded Management | • iDRAC9<br>• iDRAC Direct | • iDRAC RESTful API with Redfish<br>• iDRAC Service Module |
| OpenManage Software | • CloudIQ for PowerEdge plugin<br>• OpenManage Enterprise<br>• OpenManage Enterprise Integration for VMware vCenter<br>• OpenManage Integration for Microsoft System Center | • OpenManage Integration with Windows Admin Center<br>• OpenManage Power Manager plugin<br>• OpenManage Service plugin<br>• OpenManage Update Manager plugin |
| Mobility | OpenManage Mobile | |
| Integrations | • BMC Truesight<br>• Microsoft System Center<br>• OpenManage Integration with ServiceNow | • RedHat Ansible Modules<br>• Terraform Providers<br>• VMware vCenter and vRealize Operations Manager |
| Security | • AMD Secure Encrypted Virtualization (SEV)<br>• AMD Secure Memory Encryption (SME)<br>• Cryptographically signed firmware<br>• Data at Rest Encryption (SEDs with local or external key mgmt)<br>• Secure Boot | • Secured Component Verification (Hardware integrity check)<br>• Secure Erase<br>• Silicon Root of Trust<br>• System Lockdown (requires iDRAC9 Enterprise or Datacenter)<br>• TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ |
| Embedded NIC | 1 x 1 GbE | |
| Rear Ports | • 1 x USB 3.0<br>• 1 x iDRAC ethernet port | • 1 x iDRAC Direct (Micro-AB USB) port<br>• 1 x Mini-DisplayPort |
| PCIe slots | • Up to 2 x PCIe x16 Gen5 Low-Profile slots<br>• 1 x OCP 3.0 x16 Gen5 | |
| Operating System and Hypervisors | • Canonical Ubuntu Server LTS<br>• Microsoft Windows Server with Hyper-V<br>• Red Hat Enterprise Linux<br>• SUSE Linux Enterprise Server | • VMware ESXi/vSAN<br><br>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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