






POWEREDGE C SERIES SERVERS

QUICK REFERENCE GUIDE

Data centers are undergoing a transformation to meet the demands of the digital economy. Built for scale-out workloads like high performance computing, deep learning and data analytics, Dell PowerEdge C series platforms deliver the latest high speed memory, fast NVMe storage and workload-based BIOS tuning. Scale efficiently and predictably with flexible configurations and advanced connectivity options. Take advantage of new factory integrated Direct Contact Liquid Cooling for improved power efficiency.* And with intelligent automation, you can empower your team, freeing them from routine maintenance. Future-proof your data center with the worry-free and flexible PowerEdge C Series portfolio.

	C6420 	C6320p 	C4130 
Specifications	Dense, performance-optimized compute node for scale-out workloads.	Balanced, high-performance computing for the most demanding, highly parallel applications.	Flexible, dense rack server optimized for highly parallel computing.
Ideal workloads	High performance computing, Web scale applications and SaaS, high performance big data analytics, financial modeling and high frequency trading, hyper-converged infrastructure	High-performance computing, scientific simulations, seismic processing, and financial risk analysis	High performance parallel computing, machine and deep learning, big data analytics, risk and fraud analysis
Form factor	Up to 4 independent hot-swappable 2-socket C6420 server nodes in a 2U C6400 chassis	Up to 4 independent hot-swappable 1-socket C6320p server nodes in a 2U C6300 chassis	1U Rack Server
Processor	Up to two Intel® Xeon® SP processors per server node	Up to one Intel Xeon Phi™ 72XX processor per server node	Up to two Intel Xeon ES-2600 v4 processors
Memory	16 DDR4 DIMM slots, 512GB max per server node, speeds up to 2667MT/s	6 DDR4 RDIMM slots, 384GB max per server node, speeds up to 2400MT/s	16 DDR4 DIMM slots, 1TB max, speeds up to 2400MT/s
Disk	Up to 6 x 2.5" drives per node or 3 x 3.5" drives per node	Up to 6 x 2.5" HD options per server node and internal 1.8" SSD option for boot	Up to 2 x 1.8" drives and 4 x 2.5" drives
NVMe	Up to 2 NVMe drives per C6420 server	Not available	Up to 2 NVMe adapter cards via PCIe slots
PCIe slots	1 x 16 OCP mezzanine, 1 x 16 low profile PCIe slot, 1 x 8 mezz for storage controller	1 x 16 Gen3 half-height, half-length 1 x 4 Gen3 DCS mezzanine	Up to 2 x Gen3 slots
GPU support	Not available	Not available	Up to 4 x 300W
Rack height	2U	2U	1U
Security	TPM 1.2/2.0 optional Cryptographically signed firmware Chassis Intrusion Alert Secure Boot System Lockdown Secure Erase	TPM 1.2/2.0 optional Cryptographically signed firmware Chassis Intrusion Alert	TPM 1.2/2.0 optional Cryptographically signed firmware Chassis Intrusion Alert Secure Boot

“Comet can run a wide variety of applications and hundreds, if not thousands, of researchers’ jobs at a time, thanks to Dell PowerEdge servers with Intel processors.”

- Rick Wagner, HPC Systems Manager, San Diego Supercomputer Center

“By choosing Dell PowerEdge C4130 servers, we gained the same amount of processing performance in 4U of rack space as our existing HPC solution, which runs across two full-height racks.”

- Dr. Peter Vincent, Department of Aeronautics, Imperial College London, United Kingdom

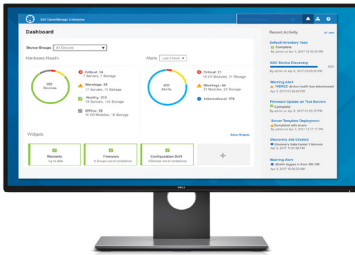
Dell Solutions

When you buy a Dell server, you get more than just hardware. You get access to IT solutions end-to-end. Dell and bring together industry-leading expertise into a common platform to help you transform your data center. Dell can deliver PowerEdge technology at any level of integration – from a best-in-breed platform, to a pre-integrated fully turnkey hybrid cloud implementation or any step in-between. Combining the PowerEdge server infrastructure with Dell Services and Financial Solutions allows you to modernize your data center faster, more affordably and with less risk.



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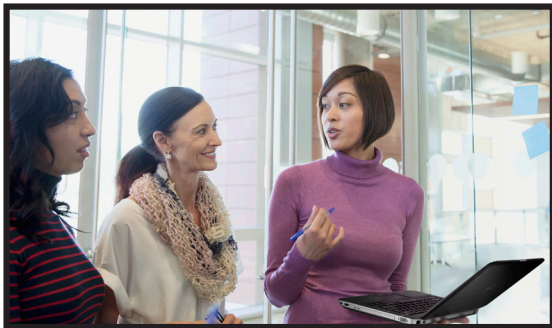
OpenManage Systems Management



Spend less time on routine maintenance and stay focused on your business-critical priorities, thanks to the intelligent automation capabilities of PowerEdge servers. OpenManage™ System Management means your servers can take care of themselves, with zero touch configuration, proactive support notification and easy system erase when it is time for systems to be retired or redeployed. With iDRAC's agent-free server management, you can utilize consistent methods to manage servers regardless of the installed OS and workloads. You can remotely manage PowerEdge servers via scripts with the new, Redfish-compliant iDRAC Restful API, Dell and third-party consoles, or legacy APIs.

Dell Services

To fully implement a modern infrastructure, organizations require reliable, comprehensive IT services to drive IT transformations, accelerate adoption of new technologies and maximize productivity.

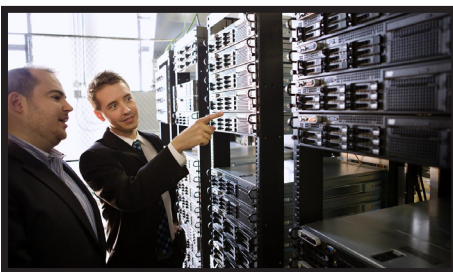


Architect: Get started with our IT Transformation Workshop to accelerate your transformation to becoming an agile business partner and broker of services to the business.

Implement: The ProDeploy Enterprise Suite helps you get more out of your new technology starting day one. Trust Dell experts to lead deployments from basic hardware installations through planning, configuration and complex integrations.

Manage: The ProSupport Enterprise Suite ensures 24x7 access to elite ProSupport engineers along with automated, proactive and predictive tools enabled by SupportAssist. Our personalized service and preventative measures help you get ahead of problems before they happen.

Dell Data Center Infrastructure



Dell Data Center Infrastructure (DCI) simplifies and manages critical infrastructure in and around the data center serving the needs of your business. A complete portfolio of racks, power and cooling solutions lets you scale as your data center needs grow.



Learn more about
Dell Server Solutions



Contact a Dell Expert



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