



HYPERSCALE-INSPIRED DESIGN

# PowerEdge C1100

Designed to meet the demands of the densest data center environments, the Dell™ PowerEdge™ C1100 server offers massive memory and disk storage in a space-efficient 1U

## Designed with your needs in mind

Designed to meet the demands of the densest data center environments, the high-performance PowerEdge C1100 offers massive memory and storage support in a space-efficient 1U form factor for Web 2.0, memcache and Web analytics environments.

The PowerEdge C1100 supports two Intel® Xeon® 5500/5600 series processors and 18 DDR3 high performance DIMMs. With its flexible chassis options, the PowerEdge C1100 is capable of supporting up to 4 x 3.5" or 10 x 2.5" hot-plug HDDs (SAS/SATA/SSD), in addition to a true x16 PCI Express slot and two dedicated mezzanine connectors for SAS and 10Gb Ethernet (GbE) connectivity.

## Maximum memory flexibility

The PowerEdge C1100 provides the maximum memory flexibility possible in a dense, industry standard 1U form factor. The Intel® Xeon® 5500/5600 series processors has more than doubled memory capacity over previous architectures, providing 18 DDR3 DIMM sockets. The large number of sockets enables support for massive memory capacity up to 192GB.

## More hard drives in 1.7 inches

At only 1U (1.7") high, the PowerEdge C1100 supports 4 x 3.5" or 10 x 2.5" hot-plug hard drives. Choose from high capacity SATA, high performance 6Gb SAS, or enterprise class SLC SSDs to create the optimal storage solution for your applications.

## Save power and increase efficiency

The PowerEdge C1100's dual redundant or single 650W high-efficiency power supply options increase energy efficiency and lower operating costs.

Select Samsung's latest low-voltage high-density DDR3 Green Memory technology to achieve even more power savings. These DIMMs provide more than 70% power savings over previous generation memory solutions.

## PowerEdge C server line

The PowerEdge C1100 is part of Dell's new hyperscale-inspired PowerEdge C server line designed to bring the most computer power in the least amount of space with the least energy draw to lower operational costs. These

servers have the right combination of what you need and nothing more.

These are purpose-built servers, designed for HPC, Web 2.0, data analytics, hosting and cloud building. They are best for rack deployments, large homogenous cloud/cluster application environments where the software stack provides primary platform availability and resiliency. The PowerEdge C server line does not come with features you don't need like comprehensive systems management, or broad enterprise storage.

## Global services and support

Dell is dedicated to simplifying IT, and Dell Services can help you manage the complexities of growing and maintaining your hyperscale, high performance and cloud computing environments. Dell's broad portfolio of planning, implementation and maintenance services can help accelerate your IT initiatives and grow your business.

Dell services can be tailored to complement how you

## PowerEdge C1100

The right combination of memory and density for your environment, saving space, energy and weight

manage your environment. Options include, but are not limited to, infrastructure consulting services to help you optimize your data center, custom rack integration and expert level phone support with fast-track dispatch.

Feature	PowerEdge C1100 Technical Specifications	
Chassis	1U rack mount	
Processors	2-socket, 4 or 6 cores per processor Intel® Xeon® 5500/5600 processor series with L2/L3 cache: 4MB/8MB/12MB	
Front Side Bus	Intel® QuickPath Interconnect	
Memory	2GB/4GB/8GB DDR3 (1333 MHz), 16GB DDR3 (1066 MHz), 18 DIMM slots for up to 192GB SDDC, ECC 4GB/8GB/16GB low-volt DDR3 Samsung® Green Memory available	
Chipset	Intel® 5500	
Video	Integrated AST2050 with 8MB VGA memory	
Primary Storage	Maximum internal storage: 10TB SATA (2.5") or 12TB NL 6Gb SAS (3.5")	
Drive Bays and Hard Drives	<ul style="list-style-type: none"> <li>10 x 2.5" or 4 x 3.5" hot-plug hard drive options</li> <li>2.5" 6Gb SAS (15K): 146GB</li> <li>2.5" 6Gb SAS (10K): 300GB, 600GB, 900GB</li> <li>2.5" NL SAS (7.2K) 500GB, 1TB</li> <li>2.5" SATA II (7.2K) : 250GB, 500GB, 1TB</li> </ul>	<ul style="list-style-type: none"> <li>2.5" SSD (SLC NAND): 50GB, 100GB</li> <li>3.5" SATA (7.2K): 500GB, 1TB, 2TB</li> <li>3.5" 6Gb SAS (15K): 300GB, 450GB, 600GB</li> <li>3.5" 6Gb NL SAS (7.2K): 1TB, 2TB, 3TB</li> </ul>
Connectivity	Onboard: Intel® 82576 – 2 x Gb Ethernet and 1 x 100Mb Ethernet dedicated management port Add-in: 1Gb and 10Gb Ethernet card options QDR InfiniBand card options	
Ports - USB	3.5" chassis: 4 USB ports (2 rear, 2 front) 2.5" chassis: 2 USB ports (2 rear)	
I/O Slots	3 PCIe G2 slots: 1 x 16 PCI Express Gen2 slot 1 proprietary mezzanine for dual port 10GbE daughtercard 1 proprietary mezzanine for LSI® 2008 SAS daughtercard	
Controllers	Internal Controllers: LSI 2008 SAS daughtercard LSI MegaRAID® SAS 9260-8i PERC H700 External Controllers: PERC H800	
Power Supplies	Dual hot-plug redundant high-efficiency 650W power supplies or single high-efficiency 650W power supply	
Fans	5 dual-rotor speed detectable with PWM control, 1 single-rotor speed detectable with PWM control	
Operating Systems	Novell® SUSE® Linux® Enterprise Server 11 SP1 x64 SP1 Red Hat® Enterprise Linux 6.1 Microsoft® Windows Server® 2008 R2 Enterprise SP1 and HPC Server 2008 R2 x64 SP1	
Server Management	Embedded BMC with IPMI 2.0 support Intel® Intelligent Power Node Manager compliant	
Hypervisors (Optional)	Citrix® XenServer® 5.6 VMware® ESXi v5.0 Microsoft® Windows Server® 2008 Hyper-V	
Services (Availability varies by region. Please contact your sales representative for details.)	Infrastructure Consulting Services Rack Integration (U.S. only) Onsite Deployment Basic Support, ProSupport for IT 4-Hour Support Keep Your Hard Drive Enterprise Wide Contract Specialized Onsite Services	



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