PowerEdge C6105

4-node 2U shared infrastructure AMD© processor-based hyperscale server designed to maximize performance per watt per dollar

In scale-out environments, even a small amount spent on power, cooling, cabling, fans and racks, multiplied across a number of servers can add up to significant cost savings. Every dollar, every watt and every square foot counts, and you need to get the most out of everything in your data center.

Do more with less

The PowerEdge™ C6105 hyperscale-inspired server is based on the AMD Opteron™ 4000 series, one of the world's lowest power per core processor, so you can worry less about your budget and more about growing your business. The PowerEdge C6105 has 4 two-socket server nodes, for up to 48 cores with an ideal mix of power, price and performance in a cost- and power-efficient shared infrastructure.

If you're not already invested in an AMD processor-based platform, now's a great time to take a look, and right-size your servers to match your application needs for a low total cost of ownership.

Add up the savings

The PowerEdge C6105 server can help stretch your dollars, increasing density while reducing processor acquisition costs by 28% and energy use up to 24% over the previous AMD processor generation. AMD's Opteron 4000 series processor offers 4- and 6-core performance at less than 6 watts per core, and allows more than double the servers within the same power budget as previous generation platforms. Find out how much you can save in your environment with AMD's latest platform power savings estimator tool.

Server support for Samsung's latest low-voltage high-density DDR3 memory technology can help you save even more. These low-voltage high-density DIMMs provide more than 70% power savings over previous generation memory solutions.

Maximize efficiency with shared infrastructure

By sharing power supplies, fans and chassis across four server nodes, the PowerEdge C6105 is designed to enhance energy efficiency and reduce operating costs. In addition to the optional 94% efficient hot-plug redundant power supplies, the PowerEdge C6105 has fewer, larger, more efficient fans. The PowerEdge C6105 server's shared infrastructure is designed to help

save energy, space and weight, producing one of the most eco-conscious hyperscale servers available today.

Increase uptime with hot-plug components

The PowerEdge C6105 power supplies, fans, server nodes, 2.5" or 3.5" hard disk drives are all hot-plug and individually serviceable to increase uptime.

PowerEdge C server line

The PowerEdge C6105 is part of Dell's new hyperscale-inspired PowerEdge C server line designed to maximize compute power and minimize space and energy usage 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.

PowerEdge C6105

- Maximize performance/watt/$
- 6 cores/32-watt processor
- 1.5x more storage than comparable HP products
- Shared infrastructure can use less space, power and cooling
- Service individual nodes to increase uptime

The PowerEdge C server line does not come with features you don't need like comprehensive systems management, or broad enterprise storage.

Feature	PowerEdge C6105 Technical Specifications	
Chassis	2U rack mount	
Processors	Up to four 2-socket servers, 4 or 6 cores per processor AMD Opteron™ 4000 processor series; upgrades as available	
Memory	2GB/4GB/8GB DDR3 (1333 MHz), 16GB DDR3 (1066 MHz), 12 DIMM slots for up to 192GB L3 cache: 6MB 4GB/8GB/16GB low-volt DDR3 Samsung® Green Memory available	SAMSUNG GREEN DDR3
Chipset	AMD SR5670	
Video	Integrated AST2050 with 64MB RAM	
Primary Storage	Maximum internal storage: 24TB SATA or NL 24TB SAS	
Drive Bays and Hard Drives	24 x 2.5" or 12 x 3.5" hard drive options 2.5" SAS (15K RPM): 146GB 2.5" SAS (10K RPM): 300GB, 600GB 2.5" SATA II (7.2K RPM): 500GB 2.5" SATA SSD (SLC): 50GB, 100GB	3.5" SATA (7.2K): 250GB, 500GB, 1TB 3.5" SATA (5.4K): 2TB 3.5" SAS (15K): 300GB , 450GB, 600GB 3.5" NL SAS (7.2K): 1TB, 2TB
Connectivity	2 embedded Intel® Kawela™ 82576 1Gb Ethernet network interface card	
Ports - USB	2 USB ports external (rear)	
I/O Slots	1 PCIe x 8 mezzanine daughtercard slot and x 16 riser slot Mellanox® ConnectX-2 40Gb/s dual-port QDR IB adapter (optional) Intel® 82559 dual-port 10GbE adapter (optional)	
Drive Controller	LSI 2008 6Gb SAS mezzanine	
RAID Controller	LSI 9260-8i add-in RAID controller	
Power Supplies	Dual hot-plug redundant high-efficiency 1100W/1400W power supplies	
Fans	Shared redundant cooling with 4 x 80mm speed fans detectable with PWM control	
Operating Systems	Novell® SUSE™ Linux® Enterprise Server 11 SP1 Red Hat® Enterprise Linux® 5.5 Windows Server® 2008 R2 Enterprise Windows Server® 2008 R2 Hyper-V™ Windows® HPC Server 2008 R2	
Server Management	Embedded BMC with IPMI 2.0 support with 1 x 10/100 Mbps RJ45 connector	
Hypervisors (Optional)	Citrix® XenServer™ 5.6 VMware® ESXi v5.0 Microsoft 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	

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 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.

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