



HYPERSCALE-INSPIRED DESIGN

PowerEdge C8000XD Storage Sled

Get big insights fast with up to 48TB of SAS, SATA or SSD storage in a compact double-wide sled designed for the 4U Dell™ PowerEdge™ C8000 chassis.

Tackle big data storage

Every minute, consumers spend \$272,070 on web shopping, create 571 new web sites, and publish 347 new blogs on WordPress.¹ The result: vast amounts of data at increasing volumes, complexity and speed requiring more local high-density storage capacity to keep up with never-ending demands.

Find big data insights faster by adding double-wide storage sleds for big data applications that need a specific disk-to-core ratio, such as Apache® Hadoop®. The Dell PowerEdge C8000XD sled provides flexible, high-density local storage for big data, hosting and high-performance computing environments.

Choose drive size, type, hot-plug/non-hot-plug capabilities and connections to reach up to 48TB per sled, with up to four sleds per chassis for 192TB. The PowerEdge C8000XD storage sled is available with up to 12 x 2.5-inch or 3.5-inch SAS/SATA HDDs or 24 x 2.5" SATA SSDs.

Get big insights fast

When populated with highly reliable SAS drives, the PowerEdge C8000XD is ideally suited for enterprise-level transactional applications such as modeling and simulation. With high-capacity SATA drives, the PowerEdge C8000XD can be optimized for reference and high-bandwidth data applications such as disk-based backup, document imaging and video surveillance. With high-speed SSDs, the PowerEdge C8000XD can be optimized to meet a high-volume of real-time demands, such as online transaction processes, database queries, hosting and cloud services.

Up to four storage sleds can be cascaded through mini SAS ports to deliver up to 192TB of storage capacity to capacity-hungry applications.

Reach peak efficiency

Pack more compute power in the same space, with up to five PowerEdge C8000XD double-wide storage sleds in one 4U PowerEdge C8000 chassis.

The C8000 4U shared infrastructure chassis is designed for efficiency, using 94% Platinum-certified power supplies, and fewer, high-efficiency fans than more traditional servers. Compute, GPU, and storage sleds all share chassis, power, and cooling, helping save on total cost of ownership.² Help save even more by refreshing components, without having to replace the entire chassis.

Flex to meet workload needs

Run a mix of tiers, or run blocks of tiers per chassis. Reconfigure workloads or scale out as needed by mixing and matching compute, GPU, storage and power supply sleds within one chassis or across standard racks.

The PowerEdge C8000 series is part of Dell's hyperscale-inspired PowerEdge C server line designed to bring the most compute power in the least amount of space with the least energy draw to help lower operational costs. They are purpose-built servers designed for high performance computing, Web 2.0, hosting, data analytics, and cloud building. They are best for rack deployments, large homogenous cluster/cloud 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 in a scale-out environment like comprehensive systems management, or broad enterprise storage.

- The ideal mix of SATA, SAS, and SSD, up to 192TB per 4U chassis
- Up to 1.37x more storage density in 4U than one of its closest competitors⁴
- Helps reduce cost per GB by boosting storage density up to 1.4PB per rack

Feature	PowerEdge C8000XD storage sled technical specifications	
Chassis	4U rack mount chassis fits up to 4 double-wide sleds	
Primary storage	Maximum internal storage: 48TB	
Drives	12 x 2.5" or 12 x 3.5" SAS/SATA HDDs or 24 x 2.5" SSDs 2.5" SAS 6Gb (10K): 300GB, 600GB, 900GB, 1.2TB 2.5" SAS 6Gb (15K): 146GB, 300GB 2.5" NL SAS 6Gb (7.2K): 500GB, 1TB 2.5" SATA SSD (eMLC): 100GB, 200GB 400GB, 800GB 2.5" SATA SSD (MLC): 120GB, 160GB, 240GB, 300GB, 480GB, 600GB, 800GB 2.5" Enterprise SATA (7.2K): 500GB, 1TB 3.5" SAS 6Gb (15K): 300GB, 600GB 3.5" NL SAS 6GB (7.2K): 2TB, 3TB, 4TB 3.5" Enterprise SATA (7.2K): 500GB, 1TB, 2TB, 3TB, 4TB	
Ports	4 external mini SAS ports (front)	
Drive controller	Connection through PowerEdge C8220 single-wide compute sled or C8220X double-wide compute sled LSI® 9202-16e (optional with C8220)	
RAID controller	Connection through PowerEdge C8220 single-wide compute sled or C8220X double-wide compute sled LSI 9280-8e (optional with C8220X)	
Services (Availability varies by region. Please contact your sales representative for details.)	Data Center Consulting Services Rack Integration (U.S. only) Rack Design Verification Configuration Services/CFI Onsite Deployment Online Self Dispatch Basic Support ProSupport for IT	ProSupport for Data Center 4-Hour Support Keep Your Hard Drive Enterprise Wide Contract IT Advisory Service Remote Advisory Service Certified Data Destruction Specialized Onsite Services
Dimensions and weight	Height: 85.9 mm (3.38 in) Wide: 171.6 mm (6.76 in) Depth: 682.5 mm (26.87 in) Weight (maximum configuration): 16.33 kg (36 lb)	

1. <http://harish11g.blogspot.com/2012/06/bigdata-minute-google-email-facebook.html>
 2. <http://www.intel.com/content/www/us/en/processors/xeon/xeon-processor-5000-sequence.html>
 3. http://www.dell.com/downloads/global/products/pege/en/Shared_Infrastructure_Scale_Out_Advantages_and_Effects_on_TCO.pdf
 4. Actual performance will vary based on configuration, usage and manufacturing variability. The PowerEdge C8000 can support up to 1 x C8220 compute sleds and 4x C8000XD storage sleds, which support 48 drives in a 4U chassis vs. 2 x HP ProLiant DL380P G8 which support 24 drives in 4U. Claim is based on overall server density in a 40U of rack space as of July 2012.

Global services and support

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.

Learn More at Dell.com/PowerEdgeC

© 2013 Dell Inc. All rights reserved. Dell, the DELL logo, the DELL badge and PowerEdge are trademarks of Dell Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. This document is for informational purposes only; Dell reserves the right to make changes without further notice to the products herein. The content provided is as-is and without expressed or implied warranties of any kind.

