



DELL EMC DSS 7000

4U Ultra-dense storage platform

Built to meet the storage needs of an exascale future, the Dell DSS 7000 packs up to ninety hot-serviceable 3.5-inch drives into an ultra-dense 4U chassis. Available with either one or two high performing server nodes, the DSS 700 can deliver up to 1.26 petabytes of storage per system to tackle the most demanding storage environments.

Ultra-dense storage server

The Dell DSS 7000 is a highly versatile, dense storage server built to provide extremely low dollar-per-GB costs for object storage for scale-out data centers and cloud builders. With Intel® Xeon® E5-2600 v4 processors, the DSS 7000 gives cloud builders the performance they need and the manageability they demand.

Address workload needs

Address changing data requirements with either one or two high performing server nodes. Ideal for video surveillance and archiving needs, a single node version attaches directly to all 90 drives to provide maximum storage density at an affordable price. A dual-node version is available for customers with increased performance needs such as running Ceph, ECS or other object-based applications.

Maximize storage density

Provide massive object or block level data storage with up to ninety hot-serviceable 3.5-inch SATA hard drives, each up to 14TB in capacity, over a petabyte of storage per 4U chassis. In addition, two 2.5-inch SATA boot drives provide additional capability for high-performance storage within each node for rapid access of critical data.

Discover greater operational reliability

Drive increased flexibility and performance for key workloads with support for up to four PCIe Gen 3.0 slots per node with dual 40Gbps Ethernet connectivity to eliminate costly bottlenecks. Two Platinum power supplies per node provide optimum power.

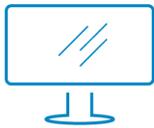
Increase versatility

For online backup and active archive systems, the DSS 7000 provides a split server dense storage solution at extremely low-cost-per-GB. This versatile design is based on a standard x86 platform with support for industry leading operating systems and commercially available peripherals.

DSS 7000 Server

- Available with either 1 or 2 DSS 7500 server nodes
 - 2S Intel® E5 v4 series CPUs
 - 4 PCIe Gen 3.0 slots
- 4U rack mount chassis (19"W)
- 90 x 3.5" hot-swappable HDDs
- 1 + 1 power supplies per node

Features	DSS 7000 Technical Specifications	
Chassis	4U rack mount storage server with one or two nodes per chassis	
Processors	434 mm (width) x 865 mm (depth) x 178 mm (height) & approx. 45kg/100lbs. (weight with 8 accelerators)	
Memory	12 x DIMMs per node: 16GB/32GB DDR4 RDIMM	
Storage Controllers	Avago MegaRAID 9361-8i, 12Gb/s SAS and SATA PMC Sierra PMC8805, 12Gb/s SAS and SATA	
Drive Bays	90 x 3.5" hot swappable drives 2 x 2.5" hot swappable boot drives per node	
Drive Type	Enterprise SATA Hard drives and SSD's	
PCIe Slots	3 x8; 1 x16 slots - low profile and full height	
Embedded Networking	4 x 1GB Ethernet LOM per node	
Communications	Optional 10 Gbps Ethernet adapters: <ul style="list-style-type: none"> • Intel X520 10GbE Dual Port SFP+ • Intel X540 10GbE Dual Port Base-T 	Optional 25 and 40 Gbps Ethernet adapters <ul style="list-style-type: none"> • Mellanox CX3 Pro Dual Port 40GbE • Broadcom 57404, 57414 Dual port 25GbE
Power Supply	<ul style="list-style-type: none"> • 4 x Platinum efficiency 1100W AC hot-plug redundant power supplies for dual node version • 2 x Platinum efficiency 1600W AC hot-plug redundant power supplies for single node 	
System Management	IPMI 2.0, BMC with vKVM support and 1 x 1GbE management port	
Services/Support	1-5yrs Basic Next Business Day (NBD). Support services from Basic to ProSupport and Flex.	
Operating Systems	Red Hat Enterprise Linux 6.5, 7.4 Microsoft Windows Server 2012 R2, 2016 Ubuntu 18.04 SLES 12 x64 Enterprise SP2,3 *The DSS 7000 is not offered with pre-installed operating systems	
Dimensions	Height: 173.8mm Width: 434mm Depth – Chassis only: 1098.4mm Depth with rails and CMA: 1242.68mm (48.94 in) Weight (maximum configuration): 129.5 kg (285 lbs.) (with 90 x 3.5" HDDs and 2x server nodes) Weight (empty): 57.1 kg (125.88lbs.)	
Availability	Select countries	



[Learn more](#) about Dell EMC DSS 7000



[Contact](#) a Dell EMC ESI



[View more](#) resources