



DSS 7000

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 7000 is capable of delivering up to 720 terabytes 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 and block storage for scale-out datacenters, cloud builders, file storage and archiving. With the latest Intel® Xeon® E5-2600 v4 processors, the DSS 7000 gives cloud builders the performance they need and the manageability they demand.

Designed for your 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 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 8TB in capacity, for nearly three-quarters of a petabyte of storage per 4U chassis. In addition, two 2.5" 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.

Increased 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.

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- 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

| Feature | DSS 7000 technical specifications |
|------------------------------------|---|
| Chassis | 4U rack mount storage server with one or two nodes per chassis |
| Processors | 2 x Intel® Xeon® processor E5-2600 v4 product family per node |
| 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 40 Gbps Ethernet adapters: <ul style="list-style-type: none"> Mellanox CX3 Pro Dual Port 40GbE |
| Power Supply | <ul style="list-style-type: none"> 2 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 |
| Systems 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. |
| Qualified Operating Systems | Red Hat Enterprise Linux 7.x Microsoft Windows Server 2012 R2 Ubuntu 14.04 LTS SLES 11 x64 Enterprise SP3 *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 |

