

GDS4 RAID

16 and 24 Bay



GDS Advanced Features

- ▶ High-performance RAID controllers supporting demanding 4K, 5K, 6K, and 8K workflows
- ▶ 9,500MB/sec read and 4,750MB/sec write capable - scale even higher with HyperFS
- ▶ Intuitive web GUI makes installation, configuration and support simple
- ▶ Modular 2U and 3U chassis design
- ▶ Single or Dual RAID controller configurations with failover / fallback functions
- ▶ Up to 64GB of RAID controller Cache Memory per controller
- ▶ RAID capacities range as low as 32TB into the PB range
- ▶ RAID 1, 3, 5, 6, 10, 30, 50, 60 supported
- ▶ 4 x 16Gb FC / 4 x 10Gb iSCSI SFP+ / 4 x 10Gb iSCSI copper RJ45 / 2 x 40Gb iSCSI QSFP / 2 x 12Gb SAS optional host ports per controller
- ▶ JBOD expansion supported
- ▶ Optional Enterprise SSD SAS drive upgrades increase performance
- ▶ Dynamically grow capacities and performance
- ▶ Supports Windows, macOS, Linux, and Unix
- ▶ Redundant, high-efficiency 80 PLUS power supplies
- ▶ Autonomous Power monitoring reduces power usage
- ▶ Thin Provisioning optimally allocates storage capacity
- ▶ VMWare certified
- ▶ Multipath I/O offers maximum SAN fault tolerant connectivity
- ▶ Logical unit number masking
- ▶ Failed drive reporting and auto-rebuild
- ▶ Simple to use troubleshooting aids and error logs

The GDS Advantage

The GDS is a highly-reliable storage solution for unstructured data and for customers that are looking to improve their green footprint with reduced power consumption without having to sacrifice performance or reliability. Whether you are doing video surveillance, analyzing medical imaging data, editing the latest Hollywood movie, or creating your own Cloud, the GDS will exceed your needs.

With its newly-simplified, browser-based GUI, systems administrators can easily apply changes to the GDS's settings, capacity, and monitor disk loads.

Enterprise-level high-reliability, capacity, and performance needs are supported by flexible, tiered, and dynamically upgradeable storage architecture.

**Up to 1.3M read IOPS and
9,500 MB/sec read throughput**

**High IOPS solutions ideal for
M&E and VDI applications**

**GDS RAID systems are capable of 8/16 Gbit FC
to 6/12Gb SAS or 1/10/40Gb iSCSI, and have
expansion available with JBODs.**

- 16 Bay RAID systems are expandable using a total of 436 drives via JBOD enclosures.
 - 24 Bay RAID systems are expandable using a total of 444 drives via JBOD enclosures
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- RAID controllers have 16GB RAM (default per controller)
 - The product is capable of RAID levels 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60, RAID and JBOD, with redundant fans and power supplies
 - Expansion from RAID to JBOD is by SFF-8644 to SFF-8644 SAS port(s) on each chassis
 - SAS interconnect cable(s) are included with expansion JBODs.
 - Dual controller RAID controllers include supercapacitors for cache backup (1 per controller)
 - For single controller RAID systems, supercapacitor is an option
 - RAID systems ship complete with RAID chassis and controller(s), drives, rackmount kit

Dimensions

16 Bay - 448mm (W) x 130mm (H) x 500mm (D)** / Weight 21.7kg/ 47.75lbs (without HDDs)

24 Bay - 448mm (W) x 88mm (H) x 500mm (D)** / Weight 19.6kg/ 43.17lbs (without HDDs)

**Without chassis ears / protrusions