

# GDS 1 RAID

## 12 and 24 Bay



### GDS Advanced Features

- ▶ Intuitive web GUI makes installation, configuration and support simple
- ▶ Modular 2RU to 4RU 12 Gbit chassis design
- ▶ 5,500MB/sec read and 1,900MB/sec write capable - scale even higher with HyperFS
- ▶ Single or Dual RAID controller configurations with failover / fallback functions
- ▶ 8GB of RAID controller Cache Memory
- ▶ RAID capacities range from 24TB into the PB range
- ▶ RAID 1, 5, 6, 10, 50, 60 supported
- ▶ 4x8 Gbps FC / 2x10GbE iSCSI / 8x1 Gbps iSCSI  
2x40 Gbit/4x6 Gbps SAS host ports per controller
- ▶ JBOD supported
- ▶ Optional Enterprise 15K SAS drive upgrades increase performance
- ▶ Dynamically grow capacities and performance
- ▶ Supports Windows, Mac OS X, Linux, and Unix
- ▶ Redundant, high-efficiency 80 PLUS power supplies
- ▶ Autonomous power monitoring reduces power usage
- ▶ Thin provisioning optimally allocates storage capacity
- ▶ VMWare certified
- ▶ Multi-path I/O offers maximum SAN fault tolerant connectivity
- ▶ Logical unit number masking and naming
- ▶ 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 120K read IOPS and  
5,500 MB/s read throughput**

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

- 12 Bay RAIDs are expandable to 84 drives  
(1 RAID and 6 x 12Bay JBODs)
- 24 Bay RAIDs are expandable to 104 drives  
(1 RAID and 5 x 16Bay JBODs)
- RAID controllers have 4GB RAM (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-8088 to SFF-8088 SAS port(s) on each chassis
- SAS interconnect cable(s) are included with expansion JBODs.
- Dual controller RAID controllers include BBU's (1 per controller)
- For single controller RAIDs, BBU is an option
- RAIDs ship complete with RAID chassis and controller(s), drives, rackmount kit

#### Dimensions

12 Bay - 440mm (W) x 90mm (H) x 500mm (D)\*\* / Weight 17.00kg/ 37.48lbs  
(without HDDs)

24 Bay - 445mm (W) x 174mm (H) x 550mm (D)\*\* / Weight 27.44kg/ 60.49lbs  
(without HDDs)

\*\*Without chassis ears / protrusions