

# GDS3 RAID

## 12, 24 and 60 Bay



### GDS Advanced Features

- ▶ Intuitive web GUI makes installation, configuration and support simple
- ▶ Modular 2U and 4U chassis design
- ▶ 6,500 MB/sec read and 3,250 MB/sec write capable - scale even higher with HyperFS
- ▶ Single or Dual RAID controller configurations with failover / fallback functions
- ▶ 8GB of RAID controller Cache Memory on dual controller
- ▶ RAID capacities range from 96TB into the PB range
- ▶ RAID 1, 3, 5, 6, 10, 30, 50, 60 supported
- ▶ 2 x 16Gb FC / 4 x 8Gb FC / 2 x 10Gb iSCSI / 4 x 1Gb iSCSI / 2x40Gbit iSCSI / 2 x 6Gb SAS / 2 x 12Gb SAS Host ports per controller
- ▶ JBOD supported
- ▶ Optional Enterprise 15K SAS drive upgrades increase performance
- ▶ Dynamically grow capacities and performance
- ▶ Supports Windows, Apple OSX, 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
- ▶ 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 450K read IOPS and  
6,500 MB/s read throughput**

**High IOPS solutions ideal for  
database and VDI applications**

- 60 Bay RAIDs are expandable using a total of 360 drives via JBOD enclosures
- RAID controllers have 16GB RAM (per controller)
- The product is capable of RAID levels 0, 1 (0+1), 3, 5, 6, 10, 30, 50, 60, NRAID and JBOD, with redundant fans and power supplies
- Expansion from 60 bay head unit to JBOD is by SFF-8088 to SFF-8088 SAS port(s) on each chassis
- Expansion from 12 and 24 bay head unit 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 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)

60 Bay - 446mm (W) x 176mm (H) x 882mm (D)\*\* / Weight 68.4kg/ 150.80lbs (without HDDs)

\*\*Without chassis ears / protrusions