



STORAGEDATA

4000 SERIES

High-performance, easy to expand and affordable storage array for medium and enterprise applications

The Storagedata 4000 SAN series is an affordable SAN that is especially build for today's demanding virtualized environments. The 4000 can be equipped with SSD, SAS and SATA drives within one unit to get the best data and i/o throughput for all different applications. The linear scalability and easy management make this storage system ideal for medium and enterprise virtualized environments. The 4000 is equipped with active-active dual controllers in multiple 1GbE, 10GbE or 4Gb FC configurations.







By using the Storage Manager OS you are able to do a full setup within minutes. The Storage Manager is an easy-to-use Web interface (GUI) for managing all aspects of the 4000 SAN settings such as the RAID, Snapshots, Replication, Volumes and User groups. In addition to the Storage Manager interface it's also possible to use the serial console, SSH, telnet, HTTP WebUI or via a secure Web (HTTPS).

The Storagedata 4000 SAN is equipped with a powerful RAID controller setup, up to 220.000 iops. The controller supports RAID levels 0, 1, 0 + 1, 3, 5, 6, 10, 30, 50, 60 and direct JBOD.

The 4000 is featured with Asynchronous Replication. This function makes it possible to copy data volumes between two 4000 SAN systems, site failover or DR.

Storagedata systems are supplied with all available features and capabilities. You will not be faced with additional license fees.



-  Fully redundant system to secure a 99,999% uptime
-  A turnkey solution, deployed easily with all leading third party operating systems
-  Quick and easy setup
-  Support SSD, SAS and SATA within one unit
-  Support iSCSI and Fibre Channel controllers
-  Advanced power management including disk spin down options

STORAGEDATA EXPANSION SERIES

Flexibility is central to IT business and IT management. With Storagedata Expansion units you are able to expand your storage capacity on demand, quickly and easily, without any downtime and extra license costs.

The Storagedata 4000 expansion series includes a 4U chassis, 24bay expansion unit that is available in a SSD, SAS, SATA or mixed configuration. Connect up to a maximum of 4 expansion units to provide a total of 120 hard drives in one SAN configuration, all connected via an industry standard SAS interface.



KEY BENEFITS

- High Performance dual active-active controller SAN
- No license costs
- Multi Protocol Support
- Optimized for Virtual Environments
- Snapshot features
- Replication features
- Intuitive GUI
- Easily expandable
- NBD or 4HR support

KEY FEATURES

- VSS support
- Raid 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and direct JBOD
- Hot-spare configuration
- Cache management
- VLAN support
- Event Notification
- Zero downtime update
- SAS, SATA and SSD support
- Up to 120 Hard drives
- 8x 1GbE , 4x 10GbE iSCSI or 4x 4Gb FC

MODELS

4000E	4000S	4000D	4000V
SATA drives	15K SAS drives	SSD drives	SATA + SAS + SSD drives
12TB (24x 500GB)	7.2TB (24x 300GB)	1.92TB (24x 80GB)	12.66TB (6x 160GB SSD + 9x 300GB SAS + 9x 1TB SATA)
24TB (24x 1TB)	10.8TB (24x 450GB)	3.84TB (24x 160GB)	24.9TB (6x 250GB SSD + 9x 600GB SAS + 9x 2TB SATA)
48TB (24x 2TB)	14.4TB (24x 450GB)	6TB (24x 160GB)	Custom build configurations
72TB (24x 3TB)		7.2TB (24x 300GB)	

SPECIFICATIONS

CHASSIS	4U 24 hot swappable drives
STORAGE CONTROLLER	Dual hot-swappable controller 4GB incl. 72 hours battery back-up (data protection)
CAPACITY	Up to 120 drives
VOLUMES	1024
SNAPSHOTS	512
REPLICATION	A-synchronize
OPERATING SYSTEM SUPPORT	Microsoft® Windows 2000, Server® 2003, Server® 2008, Hyper-V™, XP®, Vista®, Red Hat®, SUSE®, Linux®, Sun™ Solaris™, UNIX®, IBM® AIX®, HP-UX, Mac OS® X, VMware® ESX Server 3 / 3.5 / 4 / 5 / ESXi 3.5, Citrix® XenServer™, Novell® Netware®
RAID SUPPORT	0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
MANAGEMENT	SD Storage Manager OS, LCD Display, diagnostic LEDs, Serial console, SSH, telnet, HTTP, Web (SSL), host scripting
EVENT NOTIFICATION	Email, SNMP trap, Syslog, Browser pop-up windows
RELIABILITY	Redundant hot-swappable power supplies, cooling fans and controllers
SECURITY	CHAP authentication, Access control for iSCSI and Management Interfaces
PHYCAL	H 17.5cm - W 48.2cm - D 55cm
WEIGHT	47 kg
ENVIRONMENT	10 - 40 C
WARRANTY	3 years