

Simbolo

iSCSI-SATA II RAID Subsystem
SB-2804-G1A3



Unparalleled Performance

- ▶ Front-end 2 x 1Gb iSCSI.
- ▶ Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP).
- ▶ High data bandwidth of system architecture by powerful 64-bit RAID processor.

Unsurpassed Data Availability

- ▶ RAID 6 capability provides the highest level of data protection.
- ▶ Supports snapshot-on-the-box w/o relying on host software.

Exceptional Manageability Menu-driven front panel display

- ▶ Management GUI via serial console, SSH telnet and Web.
- ▶ Event notification via E-mail and SNMP trap.
- ▶ Menu-driven front panel display.

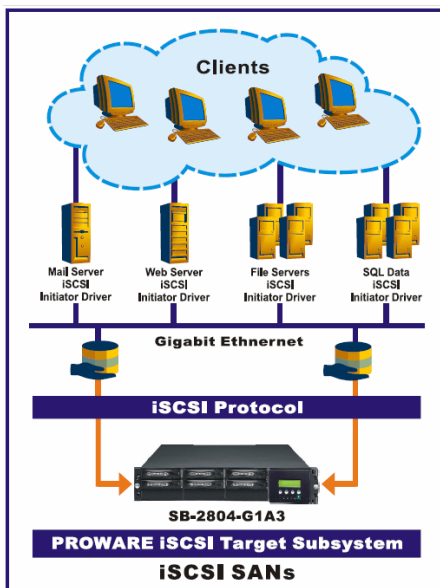
Features

- ▶ 2 x GbE ports support independent access, fail-over or load-balancing (802.3ad port trunking, (LACP).
- ▶ Supports iSCSI jumbo frame.
- ▶ Supports Microsoft Multipath I/O (MPIO).
- ▶ Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD.
- ▶ Local N-way mirror: Extension to RAID 1 level, N copies of the disk.
- ▶ Global and dedicated hot spare disks.
- ▶ Write-through or write-back cache policy for different application usage.
- ▶ Dedicated or shared cache allocation for volume usage.
- ▶ Supports greater than 2TB per volume set (64-bit LBA support).
- ▶ Supports manual or scheduling volume snapshot (up to 32 snapshot).
- ▶ Snapshot rollback mechanism.
- ▶ Online volume migration with no system downtime.
- ▶ Online volume expansion.
- ▶ Instant RAID volume availability and background initialization.
- ▶ Supports S.M.A.R.T., NCQ and OOB Staggered Spin-up capable drives.

Technical Specifications

Model Number: SB-2804-G1A3

Form-factor: 2U 19-inch rackmount chassis	Configurable RAID stripe size: Yes
RAID Processor: Intel IOP341 64-bit	Instant RAID volume availability: Yes
RAID Level: 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD	Background initialization: Yes
N-way mirror (N copies of the disk): Yes	Supports over 2TB per volume: Yes
Cache memory: 512MB ~ 2GB DDR II	Online consistency check: Yes
No. of channels (host + drive): 2 + 8	Bad block auto-remapping: Yes
Host bus interface: 1Gb/s Ethernet	S.M.A.R.T. support: Yes
Drive bus interface: 3Gb/s SATA II	New disk insertion/removal detection: Yes
Hot-swap drive trays: Eight (8) 1-inch trays	Auto volume rebuild: Yes
Host Access control: Read-Write & Read-only	Array roaming: Yes
Supports CHAP authentication: Yes	Audible alarm: Yes
802.3ad port trunking, LACP support: Yes	Password protection: Yes
Jumbo frame support: Yes	UPS connection: Yes
Maximum logical volume: up to 256	Cooling fans: 2
Maximum host connection: up to 32	Battery backup: Option
Maximum host clustering: up to 16 for one logical volume	Power requirements: AC 90V ~ 264V full range
Manual/scheduling volume snapshot: up to 32	8A ~ 4A, 47Hz ~ 63Hz
Snapshot rollback mechanism support: Yes	Hot-swap power supplies: 2 x 350W w/ PFC
Supports Microsoft Multipath I/O (MPIO): Yes	Environmental:
Global/dedicated cache configurable by volume: Yes	Relative humidity: 10% ~ 85% Non-condensing
Global and dedicated hot spare disks: Yes	Operating temperature: 10°C ~ 40°C (50°F ~ 104°F)
Online volume migration: Yes	Physical dimensions: 88(H) x 482(W) x 650(D) mm
Online volume sets expansion: Yes	Weight: 12.5 kgs (without drives)



Advantages of iSCSI

- ▶ Familiar network technology and management
 - Reduces training and staff costs.
- ▶ Proven transport infrastructure
 - Increases reliability.
- ▶ Transition from 1Gigabit Ethernet to 10Gigabit Ethernet and beyond
 - Protects investments with simplified performance upgrades scalability over long distances.
 - Enables remote data replication and disaster recovery.
- ▶ Brings Ethernet economics to storage
 - Enables lower total cost of ownership (TCO).
- ▶ Consolidation: iSCSI delivers seamless expandability, automatic load balancing, automatic storage provision, disaster recovery etc.
- ▶ Virtualization:
 - Scalable, highly available pool of storage.
 - Storage allocation and resizing on-demand.
 - Centralized management with remote Access.
 - Security that protects logical volumes from unauthorized access.
 - Snapshot and replication.
 - Volume mirroring, Multi-path host Access.

Specifications are subject to change without notice.

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