



SANbox® 8200/8202

Advanced Data
Management and
Protection
Capabilities for SANs

Storage Services Platform

SANbox 8200/8202

2
Gb

8 & 16 PORT FIBRE
CHANNEL STORAGE
SERVICES PLATFORMS



QLogic's SANbox 8000 series of Storage Services Platforms enables enterprises to dramatically improve data protection and management capabilities through flexible SAN-based storage management solutions. QLogic's cost-effective approach for implementing disaster recovery, backup, and volume management functionality includes snapshot, mirroring, and replication for Fibre Channel SAN environments.

- Add new storage services to any existing SAN environment
- Reduce complexity of managing and protecting data resources by centralizing storage services within the network
- Integrates host-based agent functionality, avoiding the complexity of managing distributed agents
- Extend reach of storage services across multiple SAN islands, eliminating the need for multiple independent deployments

PURPOSE-BUILT FOR HOSTING APPLICATIONS. QLogic SANbox 8200/8202 Storage Services Platforms provides a simple and truly open network-based approach for deploying data management and protection solutions. Utilizing QLogic's exclusive ReadyPath™ Technology, SANbox 8200/8202 accelerates key storage application operations (including mirroring, snapshot, and virtualization) directly within hardware using our innovative split-path approach. Split-path (also known as SPAID) processing separates the data path from control path processing, which results in superior application performance.

THE PERFECT COMBINATION: AFFORDABILITY, PERFORMANCE, AND EXTENSIBILITY. SANbox 8200/8202 provides outstanding performance with high-speed non blocking 2 Gb/s throughput. With up to 16 ports of connectivity, SANbox 8200/8202 extends the reach of management applications and shared storage resources across SANs and multiple SAN islands. SANbox 8200/8202 is highly integrated with the storage application, providing cost effective deployment and scalability.

LEVERAGES EXISTING SAN INFRASTRUCTURE. SANbox 8200/8202 integrates seamlessly into any SAN infrastructure, eliminating the need for expensive upgrades. SANbox 8200/8202 attaches to the SAN as an end-node (N-Port), similar to a server or storage device, which enables it to remain SAN (and switch vendor) independent. Also, SANbox 8200/8202 is uniquely capable of connecting to multiple SAN islands simultaneously, extending data management/protection functionality and storage resources across the entire infrastructure from a centralized location.

FLEXIBLE DEPLOYMENT AND GREATER CONTROL. The SANbox 8200/8202 moves management functionality off of distributed servers and storage, and into a central point within the network. This significantly reduces SAN management complexity, and eliminates unnecessary support resources. SANbox 8200/8202 facilitates a simple and rapid SAN deployment, and provides IT managers unparalleled control in expanding and changing the application environment.

SANbox 8200/8202

2
Gb

TECHNICAL SPECIFICATIONS

Storage Services
PlatformSANbox 8200/8202
Storage Services Platform

Performance Characteristics

Processors

- 8202-16: Dual Intel Pentium Xeon
- 8202-08/8200-08: Single Intel Pentium Xeon

Memory

- 8202-16: 2 GB
- 8202-08/8200-08: 1 GB

Ports

- 8202-16: 16 Fibre Channel ports, each N_port or NL_port configurable
- 8202-08/8200-08: 8 Fibre Channel ports, each N_port or NL_port configurable

Port Speed

- Auto-negotiating 2 Gb/s full duplex (2.125 Gb/s)

Backplane

- Non-blocking 80 Gb/s

Performance

- 8202-16: 460,000 IOPs aggregate
- 8202-08: 285,000 IOPs aggregate
- 8200-08: 195,000 IOPs aggregate

Media

- Hot-plug, Small Form factor Pluggable (SFP)

Storage Management

- Maximum physical back-end storage: 131,072 TB
- Maximum virtual LUN size: 2 TB
- Maximum number of virtual LUNs per port (assigned to initiator): 256
- Maximum number of virtual LUNs per initiator:
 - 8202-16: 4,096
 - 8202-08: 2,048
 - 8200-08: 1,024
- Maximum number of initiators: 32,768
- Maximum number of LUNs: 65,536

High Availability Features

Clustering

- Supports Active/Active – Active/Passive failover configurations
- Dual 10/100 Ethernet RJ-45 connections for clustering

Hot swappable fans (8202 only)

Redundant, hot swappable power supplies

- 8202-16/8202-08: standard
- 8200-08 not available

Standards

- FC-PH
- FC-AL
- FCP-SCSI
- Fibre Alliance MIB
- SNMP v1,2,3

Device Management

Access

- SSH, Telnet, Web Browser, SOAP/XML, SNMP

Interfaces

- (1) 10/100 Ethernet RJ-45 for management
- (1) Serial DB-9 RS232 for configuration

Mechanical

Dimensions

- 17"(W) x 3.5"(H) x 21"(D)

Enclosure

- 2U rack mountable

Weight

- 8202-16: 35 lbs
- 8202-08/8200-08: 30 lbs

Environmental

Temperature

- +10°C to +40°C

Humidity

- 5% to 85% noncondensing

Altitude

- 0 to 10,000 feet

Shock

- 5g, 11ms, half sine

Vibration

- 0.5g, 40 to 3000 Hz

Electrical

Power

- 100-230VAC

Frequency

- 50-60Hz

Regulatory

- UL, CE, cUL, FCC

For a list of authorized resellers, visit
www.qlogic.com/buyqlogic/home_buy.asp



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