



Highlights

- Supports multiple servers and operating systems
- Flexible and scalable
- Enterprise class features
- Local/remote management from a single console



Overview

The SANnet® II SATA *Special Edition* is an affordable, compact, and expandable array designed to meet the needs of near-line storage, data reference, and data archival applications.

Affordable and Compact

SANnet® II SATA *Special Edition* is an affordable Switchless SAN™ solution for Windows and Linux servers. Ideal as an entry-level SAN and for storage migration or consolidation, SANnet II SATA *Special Edition* provides up to 3TB of reliable storage. It supplies up to 12 servers with a fully integrated Fibre Channel SAN storage solution for less than the cost of direct attached storage.

Adaptable and Manageable

SANnet II SATA *Special Edition* supports up to 12 servers without switches and up to 64 servers with switches. SANnet II SATA *Special Edition* enables multiple servers to boot directly from the SAN, with or without switches. Dot Hill's SANscape® storage management software suite provides user-friendly enterprise features including performance analysis, event monitoring and remote access.

Dependable and Serviceable

SANnet II SATA *Special Edition* features a comprehensive high availability design with fully automated failover. All major components, including disks, controllers and power supplies, are redundant, hot swappable and field serviceable. SANnet II SATA *Special Edition* features built-in diagnostics, visual status indicators and more for fast and easy customer support. Optional installation, training, service and support plans are available

Compact and Rack-optimized

The SANnet II SATA *Special Edition* storage systems use high-speed interfaces based on serial signaling technology - Fibre Channel for servers and Serial ATA for drives. Base and expansion systems occupy 2U of rack space and include 12 drive bays to provide up to 3TB of capacity each.

Flexible and Scalable

SANnet II SATA *Special Edition* scales to 16TB of usable RAID 5 storage capacity by adding drives and expansion systems. Multiple FC host ports enable the direct connection of up to 12 servers without switches. In configurations using switches, SANnet II SATA *Special Edition* can provide storage for 64 or more servers. Designed using modular, open systems architecture, SANnet II SATA *Special Edition* storage systems are interoperable with major servers and operating systems.

Reliable and Serviceable

All components are redundant, hot-swappable removable and field-serviceable for dependability, including drives, RAID controllers, IO modules, power supplies, cooling fans, and battery-backups for cache memory. SANnet II SATA *Special Edition* is certified to meet NEBS Level 3 and ETSI telecommunications standards, plus U.S. Department of Defense MIL-STD-810F standards.

Caen Engineering, Inc.

2130 N. Glassell St. · Orange, CA 92865, USA
Phone: (714) 998-6300 · Fax: (714) 998-6366
www.caeneng.com · Email: sales@caeneng.com



Specifications

General

- Storage architecture: SAN or DAS
- Supported platforms: Microsoft Windows, Red Hat Linux
- Supported drives: 250GB at 7,200 RPM
- Total capacity: Up to 3TB
- Total disks: Up to 72
- Mounting options: Rack mount

Models

- RAID base systems: Redundant or single controllers with up to 12 drives

Hosts

- Interface type: 2 Gbit Fibre Channel
- External ports: 6 or 12
- Internal paths: 2 or 4

Drives

- Interface type: 1.5 Gbit Serial ATA, dual-ported

RAID

- Levels supported: RAID 0, 1, 3, 5, 10, 30, 50 or JBOD
- Cache memory: 256MB per controller
- Cache backup: Battery, 72 hours
- Arrays per system: 1 to 8
- Partitions per array: 1 to 128
- Volumes per system: 1 to 1024

Management

- Interface types: Serial, Ethernet, FC
- Protocols supported: VT100, TCP/IP, SNMP, API, SES
- Management consoles: Terminal, GUI, CL

Dependability

- Load-sharing and load-balancing power supplies. Temperature controlled cooling fans. Hardware RAID protection for data
- Availability: Redundant controllers (optional), host data paths, drive data paths, disks, power inputs, power supplies, cooling fans and enclosure management. Non-disruptive firmware updates with redundant controllers
- Serviceability: Hot-swappable removable controllers (when redundant), IO modules, disks, power supplies, cooling fans and cache batteries
- Uptime: 99.9998%

Electrical - AC Input

- Voltage: 100-240VAC at 50/60 Hz, single-phase
- Current: 5.0A maximum per input
- Power: 300W typical

Electrical - DC Input

- Voltage: -48VDC or -60VDC
- Current: 18A maximum per input
- Power: 300W typical

Environmental - Operating

- Temperature: 5 °C to 40 °C (41 °F to 104 °F)
- Humidity: 10% to 90% 27 °C maximum wet bulb, non-condensing
- Altitude: -30 to 3048 m (-100 to 10,000 ft.)
- Shock: 5.0 G, 11-ms, half-sine
- Vibration: 0.2 G, 5-500 Hz, swept-sine
- Noise: Less than LwAd 6.6 B (66 dB)
- Heat: 900 BTU/hour

Environmental - Non-Operating

- Temperature: -40 °C to 65 °C (-40 °F to 149 °F)
- Humidity: 0% to 90% 38 °C maximum wet bulb, non-condensing
- Altitude: -30 to 12,192 m (-100 to 40,000 ft.)
- Shock: 15.0 G, 11-ms, half-sine
- Vibration: 1.0 G, 5-500 Hz, swept-sine

Regulatory

- Safety: UL listed, cUL, CE, CSA-C22.2 No.60950-00, EN 60950:2000, IEC 60950, GS, GOST, S-Mark
- Emissions: FCC Part 15 Class B, ICES-003, EN 300 386, EN 55022 Class B, VCCI Class B, AS/NZS 3548 Class B, BMSI Class B
- Harmonics and flicker: EN 61000-3-2, EN 61000-3-3
- Immunity: EN 300 386, EN 55024

Physical

- Height: 3.5 inches (2U)
- Width: 17.6 inches
- Depth: 21.0 inches
- Weight: 60 pounds

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