SASBoy™
High Performance SAS Storage ....

With breakthrough innovation, Nexsan has again advanced storage with the high performance, energy efficient SASBoy. The SASBoy provides organizations with exceptional performance and unparalleled energy savings in a compact package to meet real world business needs. The highly flexible SASBoy features FC and iSCSI connectivity to enable cost-effective high performance access to large amounts of information ensuring faster response times for business critical applications. SASBoy is equally capable of delivering high IOPS for transactional applications and sustaining maximum MB/s throughput for high bandwidth applications.

BEST IN CLASS PERFORMANCE

SASBoy incorporates advanced features such as dual RAID engines, cache mirroring, a high performance ASIC, and active/active failover to deliver uncompromising availability and reliability with high performance. With transaction speeds up to 50,000 IOPS from cache and 2,500 IOPS from disk, SASBoy provides superior performance across all standard platforms and operating systems. Dual 4Gb Fibre Channel and dual iSCSI connectors on each controller enable easy and flexible implementation into a wide range of environments. SASBoy's high performance provides exceptional value that enhances all digital information storage applications, such as live online data, file serving, tiered storage, medical imaging storage and other business critical applications where performance is a must.

ENERGY SAVINGS WITHOUT PERFORMANCE COMPROMISE

Even with high performance SAS drives, systems do not always access data 24x7. SASBoy understands these idle times and offers the energy saving benefits of Nexsan's revolutionary AutoMAID™ technology. AutoMAID™ (Massive Array of Idle Disks). AutoMAID allows SASBoy to reduce energy needs without compromising performance. User selectable, the AutoMAID can reduce energy over two settings to conserve energy yet provide near-instantaneous access to data. SASBoy's unique combination of high performance with energy saving capabilities sets it apart enabling organizations to maximize the use of their investment while reducing its cost of operation.

SIMPLE TO USE

Like all Nexsan storage arrays, the SASBoy is supported by Nexsan's simple yet sophisticated Extreme Intelligence software, NexScan™. NexScan provides an intuitive, centralized management and monitoring tool platform. With seamless integration and an intuitive design, NexScan ensures you have complete control over configuration and optimization of your storage environment.

CONFIGURATION AND MANAGEMENT

NexScan™ is our embedded web-enabled Graphical User Interface (GUI). The platform independence of the SASBoy allows you to access your system from any standard Internet browser or from any host computer either directly connected or via a LAN or WAN with no software or patches required.

• Real-time event, hardware and thermal monitoring dynamically presented.

• Performance statistics monitoring; event logging, rebuild and verify utilities.

HIGHLIGHTS

• High performance RAID solution built around the latest high-performance SAS disk drives.

• High availability - All mission critical components, including RAID controllers, are hot swappable and fully redundant.

• Energy efficient without compromising application performance, AutoMAID.

• Completely OS independent - No special software drivers required to connect to any host system.

• NexScan™, our platform independent Web enabled GUI, provides simple system configuration, event and component monitoring from any standard web browser.

• Multi-box management - NexScan enables remote management and configuration of multiple arrays from a single GUI.

• High density / high performance - SASBoy features 14 drives in only 3U of rack space.

• Three Year Warranty - Advance Exchange, 24X7 Technical Support

TECHNICAL SPECIFICATIONS

Host Interface / Connectivity: Dual 4Gb Fibre ports and Dual iSCSI ports per controller

Controllers: Single or Dual Controller Active-Active Failover / Cache Coherency

Drive Bay Size: 14 Bay / 3U

Drive Type: 3 Gb/s. Serial Attached SCSI (SAS) interface

Cache: Up to 2GB

Battery Back-up: Yes

RAID Levels: 0, 1, 1+0, 4, 5 and 6

Sustained Data Rates: Up to 875 MB/sec.

LUNs Supported: 255

Power: Dual PSU - 500W / 286VA Fully redundant – Load sharing

Cooling: Speed Controlled, Quad Redundant Blowers

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nexsan
TECHNOLOGIES

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ADVANCED FEATURES

• Continual event monitoring with active user notification

• All major components hot-swap supported

• Dynamic spare pooling and dedicated spares; array verification

• Tele-Guard™, Nexsan's phone home manager, enables preemptive degradation monitoring and assigned reporting of all system conditions.

• Active array status monitoring; adjustable stripe width; automatic sector remapping

• Integrated Fibre Channel and iSCSI connectivity for flexible implementation

• LUN Masking capability with full Access Control List (ACL) Read/Write and Read Only permissions per initiator, per LUN along with group policies

• Multi-Box management feature to easily manage multiple SASBoy and SATABoy units

• SNMP traps supported

• Multiple RAID sets supported in a single unit

• System security password protected

• All system settings are stored in non-volatile flash memory in case of accidental power loss

• Parity Scrub / Array Verify scheduling - User defined automatic repair of all configured arrays

14 SATA drives in 3U

Easy drive replacement