SATABoy™
High Performance SATA Storage ● ● ● ●

Nexsan has once again raised the bar with the high performance SATABoy storage array. SATABoy provides organizations with exceptional performance and unparalleled storage flexibility in a compact package to meet real world business objectives. The highly scalable SATABoy features FC and iSCSI connectivity to enable cost-effective storage of large amounts of information online, while its high speed performance ensures faster response times for mission critical applications. SATABoy is equally capable of delivering high IOPS for transactional applications and sustaining maximum MB/s throughput for high bandwidth applications such as streaming media.

ENERGY SAVING BENEFITS
SATABoy offers the energy saving benefits of Nexsan's revolutionary AutoMAID™ technology. AutoMAID™ (Massive Array of Idle Disks) allows SATABoy to place its disk drives into an idle state to conserve energy yet provide near-instantaneous access to data. SATABoy's unique combination of high performance with energy saving capabilities enables users to maximize the total return on their storage hardware investment.

BEST IN CLASS PERFORMANCE
SATABoy incorporates advanced features such as dual RAID engines, a high performance cache mirroring ASIC, and active/active failover to deliver uncompromising availability and reliability, feature rich functionality, and high performance. With sustained throughput speeds of up to 370 MB/s per controller, SATABoy provides superior performance across all standard platforms and operating systems. Dual 2Gb fibre channel and dual iSCSI connectors on each controller enable easy and flexible implementation into a wide range of environments. SATABoy's high performance and enormous capacity provides exceptional value that enhances all digital information storage applications, such as live on-line data, streaming media, tiered storage, broadcast/VOD and other business critical applications.

SIMPLE TO USE
The advanced hardware design of SATABoy is supported by Nexsan's simple yet sophisticated Extreme Intelligence software, NexScan™, providing intuitive centralized management and monitoring. SATABoy's integrated NexScan management tool is platform independent with an intuitive design that ensures 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 SATABoy 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-capacity SATA disk drives.

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

- 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 capable - NexScan enables remote management and configuration of multiple arrays from a single GUI.

- High density / high capacity - SATABoy features 14 drives in only 3U of rack space.

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

TECHNICAL SPECIFICATIONS

Host Interface / Connectivity: Dual 2Gb Fibre ports and Dual iSCSI ports per controller

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

Drive Bay Size: 14 Bay / 3U

Cache: Up to 2GB

Battery Back-up: Yes

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

Sustained Data Rates: Up to 370 MB/sec per controller

Luns Supported: 32

Power: Dual PSU - 400W / 286VA Fully redundant - Load sharing

Cooling: Quad Redundant Blowers

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 pre-emptive 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

- Multi-Box management feature to easily manage multiple 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

nexsan
TECHNOLOGIES

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