

# **SASBOY™** HIGH PER- FORMANCE SAS STORAGE

With breakthrough innovation, Nexsan has again advanced storage with the high performance, energy efficient SASBoy.

## **ABOUT 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'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.

## **COMBINE PERFORMANCE WITH CAPACITY**

By reliably mixing SAS and SATA disks in the same SASBoy chassis, the user is provided separate storage tiers for different applications. Use the SAS storage tier for performance intensive applications and the SATA storage tier for capacity intensive applications.



## 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
- Combine SAS and SATA drives
- Energy efficient without compromising application performance, AutoMAID
- OS independent. No drivers required
- Storage tools make it easy to manage and configure multiple units from a single GUI
- Multi-path IO with no single point of failure design

## TECHNICAL SPECIFICATIONS

- 14 drives in 3U
- Dual 4Gb Fibre ports with dual iSCSI ports per controller
- Single or Dual Controller Active-Active Failover / Cache Coherency
- Up to 2GB battery-backed cache per controller
- RAID Levels: 0, 1, 1+0, 4, 5 and 6
- Supports multiple RAID sets; up to 254 LUNS
- Embedded web-browser GUI; supports email alerts and SNMP traps. Also includes RS-232 management port
- All system settings are stored in non-volatile flash memory in case of accidental power loss

## 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 multiple 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 management software, NexScan®. NexScan provides an intuitive, centralized management and monitoring tool platform allowing access from any standard internet browser ensuring users have complete control over configuration and optimization of your storage environment.

- Real-time event, hardware and thermal monitoring dynamically presented.
- Performance statistics monitoring; event logging, rebuild and verify utilities.