NEXSAN

SATABEAST®
42 DISKS IN
4U OF SPACE

Unleash the power of the SATABeast extreme density storage array from Nexsan.

ABOUT SATABEAST

Designed from the ground up to set new standards for high-capacity storage systems, SATABeast delivers the industry's best performance and cost-effectiveness in a single, scalable solution. With unparalleled density, availability and energy efficiency, SATABeast maximizes the return on your storage hardware investment.

UNPRECEDENTED ENERGY SAVINGS

Nexsan delivers the first high performance, high capacity RAID storage systems to also offer the energy saving benefits of AutoMAID® technology. AutoMAID (Massive Array of Idle Disks) allows SATABeast to place its disk drives to an idle state to conserve energy yet provide near-instantaneous access to data. AutoMAID is granular to the individual drive level and enables users to determine the level of energy savings desired.

UNLEASH THE BEAST
For All Your Storage Requirements Including:

Primary Storage. Designed for enterprise class environments where reliability is an absolute. SATABeast's high availability architecture features full redundancy across all active components. Blazing wire-speed read/write throughput and high IOPS performance make SATABeast the perfect choice for data-intensive applications.

Secondary Storage and D2D (Disk to Disk Backup). Online access to data means superior business continuity. The SATABeast provides the speed, fault tolerance and high availability to deliver superior data protection while its unmatched capacity easily handles enormous volumes of files. SATABeast enables unprecedented amounts of data to be cost-effectively stored and instantly accessed.

DATASHEET

NEXSAN

- Enterprise class storage array built around the latest high-capacity SATA disk drives
- Energy and cost savings through AutoMAID® technology
- Highest density per rack inch – 10.5 drives per 1 rack unit
- OS independent. No drivers required
- Fully redundant and hot-swappable active components (controllers, fans, power supplies)
- Every component is redundant with individual components online hot swappable
- Storage tools make it easy to manage and configure multiple units from a single GUI
- Anti-Accumulative Rotational Vibration design enables maximum drive reliability
- Added support for SSD drives
- Horizontal midplane design promotes superior airflow
- Multi-path IO with no single point of failure design

TECHNICAL SPECIFICATIONS

- Up to 42 SATA drives in 4U
- Single or dual active/active RAID controllers
- Fibre Channel and iSCSI host connectivity
- 2GB battery-backed cache per controller
- Supports RAID 0, 1, 1+0, 4, 5, and 6
- Supports multiple RAID sets and multiple volumes per set: up to 254 LUNS
- Features LUN security
- Fully scalable with internal capacity expansion
- Embedded web-browser GUI; supports email alerts and SNMP traps. Also includes RS-232 management port

HIGH PERFORMANCE ACROSS BOTH FIBRE CHANNEL AND ISCSI

SATABeast gives users the flexibility to utilize Fibre Channel or iSCSI connectivity or both simultaneously. Flexible, scalable and completely OS independent, SATABeast offers dual function FC and iSCSI connectivity with wire-speed throughput performance.

KEY BENEFITS

With SATABeast, Nexsan engineers have built the industry's most complete and cost effective high capacity storage system. SATABeast's advanced mechanical design provides superior cooling for optimal thermal operation, reduces drive vibration and delivers outstanding energy efficiency in an extreme density (42 drives in 4U high) form factor. SATABeast's unique design extends individual drive life and provides TCO savings year over year.

SATABeast's unique combination of technologies delivers unsurpassed performance, reliability and cost savings for a broad range of storage requirements. With an extreme density design that provides a compact footprint and scales to hundreds of terabytes of capacity in a single rack, SATABeast easily meets the demands of the most capacity-hungry storage environments.

Dual controllers using Nexsan's award winning Performance SATA™ design provide blistering throughput performance with 42 spindles that can be segmented into multiple RAID sets or a single large storage pool.

All individual SATABeast components are fully redundant and hot swappable.

SATABeast has full cache coherency design to ensure data integrity even with power loss.

The SATABeast's NexScan® management interface is built into the SATABeast controller, alleviating the need to have a separate server or application manage the storage array. This sophisticated management utility monitors and reports the status of all subsystems over a 10/100/1000-network port. Included in NexScan are Tele-Guard®, Nexsan's phone-home feature for user notification of errors or prediction of error.

LUN Mapping allows users to easily configure the massive disk capacity for dozens of servers or one. Additional management software is also available to allow multiple Nexsan systems to be managed through a single interface.