SASBeast™
42 SAS Disks in 4U of Space

HIGHLIGHTS

- Enterprise class storage array built around the latest high-performance SAS disks

- Highest density per rack inch – 42 disks in only 4U

- All active components (RAID controllers, fans, power supplies and disks) are redundant and individually hot-swappable

- Combine SAS, SSD and SATA disks in the SASBeast chassis

- Fibre Channel and iSCSI host connectivity

- OS independent. No drivers required

- Horizontal mid-plane design promotes superior airflow

- Anti-Accumulative Rotational Vibration design maximizes disk reliability

- Embedded web-browser GUI

- Management supports email alerts and SNMP traps

- Storage tools make it easy to manage and configure multiple units from a single GUI

- Reduce energy costs up to 60% through AutoMAID® technology

ABOUT SASBEAST

2 big needs. 1 small solution. Conquer transaction performance and high capacity in the same storage system. Whether you need high performance (for Exchange) or high capacity (for disk to disk backup, file servers or storing large amounts of content), SASBeast™ provides the speed and capacity to meet the broadest range of storage requirements.

SASBeast delivers the industry's best value by combining enterprise SAS and SSD performance with the cost-effectiveness, density, reliability and energy efficiency Nexsan is known for.

BUILT FOR PERFORMANCE APPLICATIONS...

Blazing SAS and SSD IOP performance and read/write throughput make SASBeast the perfect choice for transactional and/or database intensive applications (Exchange, SQL, Oracle, etc.). SASBeast's high availability architecture features full redundancy across all active components and delivers industry leading reliability for enterprise class environments.

...AND CAPACITY APPLICATIONS

Innovatively engineered to reliably mix SAS, SSD and SATA disks in the same SASBeast chassis, the user is provided separate storage tiers for different applications. Use the SAS and SSD storage tiers for performance intensive applications and the SATA storage tier for capacity intensive applications. Nexsan is changing the rules of storage by allowing the user to meet the broadest range of storage requirements in a single chassis.

UNPRECEDENTED ENERGY SAVINGS

SASBeast exclusively features the ground breaking energy saving benefits of AutoMAID® technology which places disks in an idle state during inactivity while providing near-instanta-neous access to data when needed. AutoMAID uniquely delivers the benefits of green without the limitations.

SASBeast™

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

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

SASBeast'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, SASBeast easily meets the demands of transactional and/ or database intensive applications (Exchange, SQL, Oracle, etc.).

Dual controllers using Nexsan's award winning high performance design provides blistering throughput performance with 42 spindles that can be accessed simultaneously, segmented into multiple RAID sets or configured into a single, large storage pool.

All individual SASBeast components are fully redundant and hot swappable.

The SASBeast's NexScan® management interface is built into the SASBeast 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. 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.

TECHNICAL SPECIFICATIONS

- 4U / 42 disk RAID system

- SAS, SSD and SATA drive combinations

- Dual active/active individual RAID controllers. Up to 4 RAID engines and 4GB standard battery protected cache when using dual controllers. (2 RAID engines and 2GB cache per controller)

- Hardware RAID 0, 1, 1+0, 4, 5 and 6 including global hot spares

- Supports multiple RAID sets and multiple volumes per set. Supports up to 254 LUNS

- Integrated Fibre Channel and iSCSI connectivity for flexible implementation with auto-negotiating host speed

- Features LUN security and APPA, 4PAA, APAL (also DCNR) failover modes

- Embedded web-browser GUI; supports email alerts and SNMP traps. Also includes RS-232 management port

- Two redundant power supplies with tachometer-monitored blowers to provide maximum power and cooling

Easy disk replacement

42 disks in 4U

Revolutionary cooling system

nexsan®