



NEXSAN E60X™

60 DISKS IN 4U EXPANSION UNIT

Attach the Nexsan E60X™ to any Nexsan Beast, E60 or E18 storage system to expand capacity

ABOUT NEXSAN E60X™

Attach the Nexsan E60X to any Nexsan Beast, E60 or E18 storage system and achieve new levels of storage efficiency. For the ultimate in high capacity, high density and power efficiency, the E60X expansion unit delivers 60 disks in only 4U of rack space.

The E60X enables organizations to achieve never-before-seen levels of efficiency with the ability to add more capacity while lowering power, space and overall cost requirements. Relative to comparable storage expansion systems, the E60X requires only 1/3 of the rack space. Active Drawer Technology™ makes servicing the drives a breeze, and keeps them online when the drawer is open, eliminating the need to power down for maintenance. AutoMAID® level 4 power savings technology places drives into low power states when they are not being accessed, saving up to 85% on power and cooling expenses.

EXTREME DENSITY

The E60X boasts the most revolutionary approach to extreme density management with its unique Active Drawer Technology™. Three self-contained disk drawers include 20 SAS/SATA/SSD disk drives with tachometer controlled push/pull fan modules. Specially designed cables enable continuous operation even when a drawer is momentarily pulled out to perform easy disk and fan service. Overcoming the challenges of other extreme density offerings, the E60X is safely and easily serviced by one person.

POWER EFFICIENCY

Nexsan's exclusive AutoMAID® level 4 technology delivers up to 85% energy savings. Each disk group can easily be assigned a power savings policy with the Web-based management interface. When a disk group is not accessed for a specified time period, it can be put into a lower power-consuming state, saving up to 85% on power and cooling bills. For instance, in scientific computing applications, when workers go home, disks can be powered down. On first access, they are spun up and stay spinning. In backup to disk applications, drives can be powered down when backups are not being performed. No changes to applications or manual intervention is required to get the benefits of AutoMAID level 4



DATA SHEET

HIGHLIGHTS

- Highest density per rack inch with 60 disks in a 4U chassis
- Compatible with 8Gb FC Beast, E60 and E18 storage systems
- Unique Active Drawer Technology™ delivers greater reliability and ease of use
- AutoMAID level 4 delivers up to 85% reduction in power consumption without performance compromise
- Mix and match SATA, SAS, and SSD drives to meet varying storage requirements
- Connects to Beast, E60 or E18 storage systems via up to four 6Gbit SASx4 connections for speed and resiliency
- Horizontal mid-plane design ensures maximum cooling for optimal operating conditions
- Anti-Accumulative Rotational Vibration design maximizes disk reliability
- All active components (expansion interface modules, fans, power supplies and disks) are redundant and individually hot-swappable to ensure continuous operation
- Seamlessly managed via the SATABeast/SASBeast GUI
- No special tools or downtime required to add capacity to the chassis, simply plug required disk drives into any unused disk bay
- Includes all cables, active-capacity drawers and mounting rails

CONNECTIVITY

The E60X expansion chassis is connected to the Beast, E60, or E18 storage systems via state-of-the-art 6Gb SASx4 connections. There are four SASx4 connectors on the back of the E60X. The 8Gb FC Beast, E60, or E18 controllers each provide two 6Gbit SASx4 connections. Therefore, with dual controllers in the storage system, a total of four 6Gb SASx4 connections provide blazing fast data paths with no single point of failure.

MANAGEMENT

The E60X is managed entirely by the SASBeast and SATABeast NexScan® management interface. NexScan is built into the Beast controllers, alleviating the need to have a separate server or application manage the E60X. This sophisticated management utility monitors and reports the status of all E60X components and allows users to create RAID sets within the E60X drawers or even across multiple drawers. LUN mapping allows users to easily configure the massive disk capacity for dozens of servers. Included in NexScan is Tele-Guard®, Nexsan's phone-home feature for user notification of errors or prediction of errors. Additional management software is also available to allow multiple Nexsan systems to be managed through a single interface. Management of this much capacity has never been so easy.

TECHNICAL SPECIFICATIONS

- 4U / 60 disk capacity expansion system
- Mix and match SATA, SAS and SSD drives
- 3 self-contained active drawers populated with 20 disk drives per drawer; each drawer is serviceable without operation disruption
- Dual redundant 1600W load-sharing 200V to 264V power supplies

Note: a 1200mm rack is recommended for mounting the E60X