

EliteStor

ES424X6+B



- >> **4U SAS 6G JBOD rackmount for high capacity storage solution.**
- >> **Provides over 24 Gb/s or 2400MB/s of bandwidth to fulfil the most demanding application.**

Overview

The EliteSTOR ES424X6+B is a 4U SAS 6G JBOD rackmount for high capacity storage solution. Utilizing the latest 6G SAS expander technology, the ES424X6+B provides over 24 Gb/s or 2400MB/s of bandwidth to fulfil the most demanding application. The ES424X6+B supports SATA or SAS 6Gbps hard drives or SSD and is backward compatible to 3Gbps SAS & SATA hard drives. By utilizing the latest SAS expander technology, the ES424X6+B supports up to 24 SAS or SATA drives using only one mini-SAS cable. A built-in SAS expansion port enables the system to connect up to 5 units or 120 HDD drives daisy-chained together. With a high performance RAID controller card such as Areca ARC-1680X or LSI 9280-8E, the ES424X6+B is capable of delivering over 1700MB/s in read and 1500MB/s write performance, doubling the existing 3G SAS expander bandwidth. System status information is provided by the LED, including hard drives, power supply and cooling fan status. All necessary hardware comes standard including mini-SAS cable, hard drives tray modules and built-in mounting rail. The ES424X6+B is an ideal storage expansion solution for servers or high performance video editing workstation

Features

- **6G SAS Expander Technology** - Connect 24 SAS or SATA drives with only one single SFF-8088 to 8088 Mini-.SAS cable to HBA (Host Bus Adapter).
- **Superior Performance** - With support of SATA 6G or SAS 6G hard drives and 24Gbps bandwidth, performance can reach over 1700MB/s in read and 1500MB/s in write (tested with LSI9280-8E).
- **Staggering Spin-Up** - Built-in staggering spin-up for hard drives during power up. Thus, extending the life / duty cycle of the hard drives and power supply.

- **Support Industry Standard SGPIO** - Serial General Purpose Input/Output (SGPIO) is utilized to provide the hard drives health & enclosure real-time information via the mini-SAS connection cable to the HBA (host Bus Adapter) without additional serial cable.
- **Scalability** - Supports up to 5 enclosures or up to 120 hard drives daisy-chained together for capacity expansion.
- **Multi-purposes** - Supports both SAS (Serial SCSI) and SATA hard drives to meet the requirements of different applications with different price/performance characteristics. Cost-effective SATA drives could be used for capacity orientated storage such as disk-to-disk backup, data-archiving, and digital video editing. Enterprise level SAS drives could be employed for I/O intensive applications such as transactional databases.

SPECIFICATION

Model	ES424X6+B
Form Factor	4U Rackmount
HDD Trays	24 Hot-Swappable 3.5"
RAID Level	JBOD (RAID is supported by additional RAID card)
Maximum Capacity	72TB, Expandable to 360TB
Drive Interface	SAS 6G or SATA 6G
Supported RAID Controller	Areca ARC-1880X LSI SAS MegaRAID Dell Perc SAS RAID Intel SAS RAID ATTO SAS RAID
Host Interface & Transfer Rate	6G SAS Expander, Mini-SAS / SFF-8088 x 1
Expansion Ports	Mini-SAS / SFF-8088 x 1 (Up to 7 units supported)
Cooling Fan	4" Cooling fan * 2, 2" Cooling fan * 2 from Power Supply
Power Supply	Redundant 650W power supply
Dimension (in)	7"(H) x 19"(W) x 23"(D)
Weight (lb)	54
Safety Regulations	CE, FCC, UL, RoHS
Limited Warranty	3 Years