AccuSTOR AS480X6S / AS480X6R

4U 80-Bay SATA / SAS to SAS Expander JBOD Storage Rackmount

The **AccuSTOR AS480X6S / AS480X6R (w/ Redundant Controller)** is a high density 4U 80-bay rackmount designed for storage hungry applications and accommodates up to 320TB of storage space. Supporting latest SAS 6G technology, AS480X6S/AS480X6R provides 6G solution for 6G SAS or 6G SATA drives (additional MUX board required for redundant controller; or suggested to use SAS drives). By utilizing the latest SAS expander technology, the AS480X6S/AS480X6R supports up to 80 SAS or SATA drives using only one mini-SAS cable. (AS480X6S) Dual SAS channel support RAID controller card or non-RAID HBA for big data storage requirements. (AS480X6R) Build-in redundant controller provides high availability option allow automatically failover in event of controller failure. With a high performance RAID controller card, the AS480X6S/AS480X6R is capable of delivering over 2,000MB/s in read and write performance, doubling the existing 3G SAS expander bandwidth. System status information is provided by the LED and front LCD, and information including hard drives, power supply and cooling fan status. All necessary hardware comes standard including mini-SAS cable and hard drives tray modules. The AS480X6S/AS480X6R is an ideal storage expansion solution for servers or high performance video editing workstations. Supported in Windows, MAC and Linux, including various file system such as ZFS, VMware, and Hadoop.

AccuSTOR AS480X6S

AccuSTOR AS480X6R

Features

- **6G SAS Expander Technology** - Connect 80 SAS or SATA drives with only one single SFF-8088 to 8088 Mini-SAS cable to HBA (Host Bus Adapter) or RAID controllers.
- **Support LFF and SFF Form Factor** - Support both 3.5" and 2.5" Hard drives and SSD.
- **Dual Channel SAS Controller -** Dual SAS channel provide up to two host server connection, as well as support of zoning. (AS480X6S) Upgradable to redundant controller to provides high availability option, allowing automatically failover in event of controller failure.
- **Redundant controller** - (AS480X6R) Build-in redundant controller provides high availability option allow

automatically failover in event of controller failure.

- **Superior Performance** - Support of SATA 6G or SAS 6G hard drives, with 6G SAS expander in 24Gb/s bandwidth.
- **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.
- **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.
- **Redundant Power Supply** - Hot-swappable, redundant power is included for protection against power failure. Power supply status can be easily monitored by the status LED and audible alarm alert.
- **All hardware is included** - Mini-SAS cable, cooling fan, and tray modules are included. By connecting to a SAS controller and hard drives will instantly increase the storage space.
- **Wide Range Adapters Support** - Compatible with Areca, ATTO, Dell, LSI, Intel SAS expander controller.

Specifications

Model
AS480X6S / AS480X6R
HDD Trays
80 Hot-Swappable 3.5", 2.5" adapter available
RAID Level
JBOD (RAID is supported by additional RAID card)
Maximum Capacity
320TB (expandable to 2 unit or 640TB)
Auto Rebuilding
Supported when using with additional RAID card
Host Interface & Transfer Rate
6G SAS Expander
Drive Interface
6G SAS or 6G SATA (Optional MUX board is required for SATA drives when use with redundant controller)
Cooling Fan
12 x cooling fan (Front: 4 x 3" cooling fan; Middle: 4 x 3" cooling fan; Rear: 2 x 2 x 1.5" cooling fan)
Power Supply
650Wx4 Redundant Power Supply Modules
Control Interface
LCD Panel, RS232, RJ-45 Ethernet
Dimension (in) & Weight (lb)
7"H x 19"W x 36.7"D ; 123 lb (w/o hard drives)