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XJ 100 SAS JBOD Series

Small in Size, Large in Storage

It is the perfect balance between performance and cost of your storage.

Today's high performance storage system is mostly designed with a heavy rackmount enclosure with costly Fibre Channel or SCSI interface. With lighter, cost effective, and convenient enclosures in demand, Xtore introduces this small footprint storage box with unprecedented 1200MB/s SAS Link.

Users can choose high performance Serial Attached SCSI drives as well as low cost SATA drives. For its low cost and small size, XJ 100 SAS JBOD's performance proves users' expectations. It is the ideal solution for HD Video storage and many other desktop storage applications you can imagine.

KEY FEATURES & BENEFITS

- Five/Ten Hard Disk in one box allow better performance for RAID 5 and RAID 6 configurations
- High performance 1200MB/s full duplex SAS connection using SFF8088 miniSAS cable
- In-band SCSI Enclosure Service (SES) Support
- High scalability, can be cascaded up to 120 drives
- SAS and SATA drives can be mix-matched in the box
- LED indication for HDD activity, failure, over-temperature, and fan failure
- In-band or out-of-band firmware update
- Cable-less backplane/controller design

* Total cascaded HDDs depend on limitation of host adapters



High Performance

The maximum performance per host connection is 1200MB/sec, which is higher than a single 4G or even 10G Fibre Channel connection. The performance of the bus is achieved by combining four SAS channels with each supporting 3Gbps full duplex speed. Together with a high-speed SAS HBA or SAS RAID controller card in the host server, this storage enclosure can deliver an unprecedented performance.

Thanks to the high performance SAS throughput, you can play multiple High Definition Video clips and edit them because storage is no longer the bottleneck of your application.

SAS and SATA Compatibility

This enclosure is designed specifically for individuals who are looking for high performance/reliability and high capacity/low cost solutions. Customer can choose to install Serial Attached SCSI 3G or SATA 3G/1.5G drives mixed in the same box.



BTO

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Large Storage Capacity and Scalability

For cost and capacity considerations, XJ100 SAS JBOD supports five (XJ-SA12-005) or ten (XJ-SA12-010) 3.5" SATA drives, which endorses up to 10 TB of RAID 5 storage.

The high performance SAS expander inside the box, provides an expansion port allowing this JBOD to be cascaded to another for more capacity. Up to 120 drives can be cascaded from a single SAS initiator.

Easy Maintenance and Management

All of Xtore's SAS Enclosures are cable-less with hot-swappable disk carriers. It is easy for technicians or users to configure or maintain.

This system supports SES (SCSI Enclosure Service) for status monitoring and in-band firmware update. Also, a software independent serial port can be used for firmware update and more sophisticated status check. Only one cable is needed for connection.

SPECIFICATIONS

Model Number	XJ-SA12-005	XJ-SA12-010
Host	miniSAS 4x, 1200MB/s connector	
Expansion	miniSAS 4x, 1200MB/s connector	
Drive interface	SAS 3G or SATA 3G/1.5G	
Hotswap HDD	Five 3.5" HDD	Ten 3.5" HDD
Capacity *	5TB	10TB
Management port	RS-232 x 1	
LED	Power, HDD Activity, Failure, Over Temp, Fan Fail	
Buzzer	Buzzer alarm and mute button	
Power supply	Single 270W	Single 400W
AC Input	100-240V	100-240V
Cooling Fan	90mm, 65CFM x 1	90mm, 65CFM x 2
Dimension(mm)	176(W) x 311(D) x 280(H)	176(W) x 311(D) x 459(H)
Certification	FCC, BSMI, UL, CE, CB, ROHS compliance	



* Depend on capacity of single drive. 5/10 TB is based on 1TB drive

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