

Highlights

- High performance 2U disk storage solution
- Provides ShareLoader® up to 9TB raw storage (up to 7.5TB useable uncompressed)
- Scales up to 45TB raw storage (up to 37.5TB useable uncompressed)
- Includes Limpel-Ziv based data compression (approximately 2:1)
- Supports RAID 5 configuration with hot sparing
- Allows hot swapping of any system components



XpanDisk

XpanDisk™

Overview

Crossroads provides the benefits of shared network storage and automatic data protection to remote network-connected host devices with ShareLoader®, but when data volumes require more than 5TB, additional storage is available to meet business needs. ShareLoader users can add XpanDisk™, with stand-alone storage capacity, to easily grow available storage space for virtual tapes created by ShareLoader.

XpanDisk is a Serial Attached SCSI (SAS)-connected controller consisting of two arrays that each contain 6-750GB disks (4.5TB raw storage capacity) for a total of 9TB raw storage capacity. XpanDisk supports RAID 5 configuration, so each array contains 3.75TB of useable, uncompressed storage capacity for a total of 7.5TB. With built-in 2:1 data compression and accounting for file system overhead, each array has approximately 7.4TB or 14.8TB of total available storage capacity per controller.

Key Features & Benefits

High Performance

When rigorous data protection applications manage large volumes of data, high performance system throughput is critically important. XpanDisk combines SAS connectivity and reliable, high-capacity SATA-II disk storage devices to deliver high-speed data throughput.

Dynamic Load Balancing

To help keep systems running at peak efficiency, XpanDisk dynamically adjusts available storage capacity and provides automatic balancing across the arrays. Balancing takes place when disks are idle, so normal data protection operations are not impacted.

Scalable, Expandable Storage

Long-term data protection solutions must scale to meet growing business needs. XpanDisk offers an easy upgrade path through daisy-chaining up to four additional storage module enclosures. Potential maximum raw storage capacity is 45TB and maximum usable, uncompressed storage capacity is 37TB. With 2:1 data compression, actual storage capacity grows to 74TB.

Reliable Data Protection

Data protection operations require reliable infrastructure for long-term viability. To achieve maximum reliability, XpanDisk uses two separate RAID 5 configurations on each of its disk arrays to provide fault tolerant, guaranteed data recovery from drive failures. In addition, XpanDisk supports the option for hot swapping of components in the system chassis.

Intuitive Web-Based Management

XpanDisk can be easily managed using an intuitive and fully-automated Web-based graphical user interface (GUI). Critical system alerts, such as a disk failure, can be received via email or through the use of an SNMP server.

Specifications

Product Matrix	XpanDisk Storage Controller & Storage Expansion Modules
Part Number	XDC1200a (Storage Controller) XDS1200a-1 (Storage Expansion)
External Interface	Single 3Gb 4-lane SAS
Total No. Of Disk Drives	12
Disk Drives Supported	SATA-II 750GB (3Gb/s)
Total RAW Capacity/unit	9TB
No. RAID Controllers ¹	1
RAID Configuration	RAID 5
No. RAID sets / Enclosure	2
Raw Capacity / RAID set	4.5TB
RAID Protection Features	Background initialization, background parity checking, and automatic drive rebuild with RAID array, global hot spare option supported
Usable Capacity (uncompressed / compressed)	3.75TB / 6.8TB
Data Compression (2:1 typical)	Included w/ ShareLoader
Hot Swappable Components	Disk Drives, Power Supplies, Cooling Module
Management Interface ¹	10/100/1000 Mbps

¹Applicable to Storage Controller Only

Physical Dimensions	XpanDisk Storage Controller & Storage Expansion Modules
Mountable	2U
Height	3.46" (87.9 mm)
Width	17.49" (443.7 mm)
Depth	21.65" (550 mm)
Weight	71 lbs (32.2 kg)
Operating Environment	
Operating Temperature	41°F to 104°F (5° to 40° C)
Operating Humidity (non-condensing)	8 to 80%
Non-Operating Environment	
Non-Operating Temperature	33.8° to 122°F (1° to 50° C)
Non-Operating Humidity (non-condensing)	8 to 90%
Voltage and Power	
AC Voltage	100 to 240V
Frequency	50 or 60Hz, single phase
Input Power	300 W
DC Voltage	-40 to -60 VDC

Regulatory Compliance

XpanDisk	
Safety	UL 60950-1, IEC 60950-1, EN 60950-1
Emissions	FCC 47 CFR Part 15 Class A
CE Marking	EN55022, EN55024, EN61000-3-2, EN61000-3-3
Environmental	RoHS



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ABOUT CROSSROADS

Headquartered in Austin, Texas, Crossroads Systems delivers flexible solutions to protect, secure and restore business-critical "data-at-rest." Crossroads (symbol: CRDS) is currently traded on Pink Sheets and also posts its financial disclosure reports, press releases and other related documentation on the OTCIQ web service of the Pink Sheets website. For more information, please visit www.crossroads.com.



Crossroads promotes institutional and personal environmental responsibility within the company, with our partners and with the users of our products. We are committed to providing the best products and services while encouraging practices consistent with sustainable living and resource conservation.

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