

It's All About Your Data

FastTrak[®] TX4660/TX8660 & TX8668 PCI Express x4 to 4/8-Port SAS/SATA RAID Adapter

 Complete RAID 0/1/5/10/JBOD/SPAN controllers with SAS/SATA 3Gb/s drive support

Benefits

Complete RAID Features for SAS/SATA

The Promise FastTrak SAS/SATA RAID PCI Express adapter offers an economical solution and SPAN storage system with up to eight high-performance SAS or SATA disk drives. In addition to the supported RAID features, FastTrak TX4660/TX8660 also supports SAS(Non-RAID) mode for general storage application without RAID.

Single Hardware & Software for RAID and Non-RAID

The FastTrak TX4660/TX8660 offers single hardware and software for both RAID and Non-RAID storage applications, one system integration and qualification effort plus rich operating system support for various storage applications in the field.

Enterprise Proven RAID Engine

The FastTrak TX4660/TX8660 model delivers fast, efficient, and reliable RAID levels 0/1/5/10/JBOD and SPAN using Promise's enterprise proven technology. The flexible FastTrak family allows you to choose the best fit for your application:

- ⋮ RAID 0 – Maximum capacity and performance without any fault tolerance
- ⋮ RAID 1 – Maximum data protection.
- ⋮ RAID 5 – Balance of capacity plus data protection
- ⋮ RAID 10 – Drive redundancy plus capacity and performance
- ⋮ JBOD – single, non-array drive
- ⋮ SPAN – concatenated stripe

For maximum uptime, the FastTrak line supports features like transparent data recovery and drive rebuilds performed in the background.

Supports Both SAS and SATA Drives

By supporting both SAS and SATA drive types and using the latest industry protocols to enhance performance and reliability, the FastTrak controllers provide a flexible cost-effective RAID controller board spanning server, workstation and desktop markets

Advanced Features

The FastTrak PCI Express controller incorporates many of Promise Technology's advanced features. The onboard BIOS automatically identifies and configures drive type. The Web-based Promise Array Management (WebPAM) software provides users easy installation, configuration and operation. Promise's Metadata on Disk, simplifies disaster recovery efforts, by enabling migration to replacement hardware.



Features

- ⋮ SAS/SATA 3Gb/s device ports
- ⋮ RAID 0/1/5/10/JBOD and SPAN
- ⋮ PCI Express x4
- ⋮ Single Driver and BIOS for RAID and SAS mode
- ⋮ Offers sustained data transfers up to 750MB/sec
- ⋮ Native Command Queuing
- ⋮ Disk Activity LED Headers



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Sophisticated Array Management Tools



Web-based Promise Array Management (WebPAM) software offers professional management tools in a simple-to-use, straightforward format. Array configurations, management and monitoring features are available via the web based interface. Moreover, the FastTrak TX family supports industry standard SNMP so third party management application integration is simplified.

The Leader in Serial RAID

Promise Technology, with over 15 million RAID controllers shipped worldwide, is committed to delivering best-in-class fault tolerant storage products across all market segments. Promise has a comprehensive SAS/SATA storage product line including rack mount RAID enclosures for SAN and DAS applications, PCIe RAID controllers for servers and workstations, NAS systems for SOHO and RAID ASICs for embedded applications.

Specifications			
Model	FTTX4660	FTTX8660	FTTX8668
Disk Array Features			
Device Support	Four SAS/SATA ports for up to four SAS/SATA 3Gb/s devices	Eight SAS/SATA ports for up to eight SAS/SATA 3Gb/s devices	8 External SAS 3Gb/s Controller with VessRAID Support
RAID Levels	RAID 0 - striping for performance RAID 1 - disk mirroring RAID 10 - striping across mirror sets RAID 5 - striped data with rotational parity JBOD - single, non-array drive SPAN - concatenated stripe		SAS controller for VessRAID
Data Transfer Rate	Up to 750 MB/s		
Background Activity	RAID Features - Support hot-swap of failed drives Transparent data recovery and rebuilds drive in background Online Capacity Expansion - adds capacity on the fly RAID Level Migration - changes array levels on the fly MetaData on Disk (MDD) for drive roaming		Not Support RAID mode
Easy to Use	Fast initialization Arrays are bootable with built-in BIOS Upgrades your current disk drive to a RAID array by migrating existing data to the array		Not Support RAID mode
System Management			
Management Tools	WebPAM (Web-based Promise Array Management) local and remote monitoring for Windows and Linux – monitors status of arrays, hard drives, and controller via TCP/IP, warns of drive failure, allows rebuilds of mirrored arrays, synchronizes data in fault-tolerant arrays, email notification for array events, S.M.A.R.T.-compatible status reporting		Not Support
Notification	Email, audible, and visible alarms		Not Support
Operating System Support	Microsoft Windows Vista, XP, 2000, Windows Server 2003/2008 Red Hat Enterprise Linux SUSE Linux Enterprise Linux Linux kernel 2.6 partial source code Supports x86 and x64 platforms		
Hardware			
SAS 3Gb/s Support	Supports Serial Attached SCSI 1.1, including <ul style="list-style-type: none"> • SAS 3Gb/s • SSP protocol 		
Serial ATA 3Gb/s Support	Supports Serial ATA Revision 2.6, including <ul style="list-style-type: none"> • Native Command Queuing • Staggered Drive Spin-Up • HDD Activity Indication 		Not Support
PCI Express Support	PCI Express x4 interface compliant to PCI Express Specification, Rev.1.0a		
HBA Features	Low-profile form factor MD2 Flash up-gradable for future updates Supports ACPI (S1, S3, S4)		
Physical and Environmental	Dimension (H x W): 2.72 x 6.3 inches (69 x 159 mm) Operating temperature: 32 to 122° F (0 to 50° C) Relative humidity: 5%-95% non-condensing		
Agency Certifications	UL, cUL, CE, FCC Class B, BSMI, VCCI, KCC, C-Tick		

About Promise

Promise Technology, with a track record of over 18 years of storage products development and over 10 years experience in supplying high quality RAID storage products, is highly recognized as a premier high quality and dominant RAID storage supplier in the industry with a comprehensive storage product line offering including Serial Attached SCSI (SAS) and Serial ATA (SATA) PCIe RAID HBAs, rack mount storage systems with FC/SAS/iSCSI and SCSI SAN and DAS storage network connectivity, NAS systems for SOHO and SATA ASICs.

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