

It's All About Your Data

SATA300™ TX4 4-Port SATA PCI Adapter

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Cost-effective 4-port Serial ATA adapter with SATA 3Gb/s drive support for motherboards with a PCI interface



Cost-effective 4-Port SATA Controller

The 4-port Promise SATA300 TX4 SATA controller offers a low-cost solution for connecting up to four of the latest, high-performance SATA 3Gb/s disk drives to PC motherboards with a PCI interface. While drive capabilities continue to advance at a fast rate, the vast majority of available motherboards still use the PCI interface to connect peripheral devices. With the SATA300 TX4, users can benefit from a flexible solution that connects the most advanced drives to their existing system, the ideal future-proofing upgrade.

SATA 3Gb/s Support

While storage system performance is affected by components throughout the storage system, SATA drives with 3Gb/s can deliver significantly faster burst data throughput. Like a faster data cache, the faster burst rate when using the latest 3Gb/s drives should provide a snappier feel when opening small files and conducting the day-to-day tasks that many desktop and workstation PCs are required to perform.

The controller supports Serial ATA 3Gb/s drives and conforms to *Serial ATA II, Extensions to Serial ATA 1.0a* specification. This support also includes Native Command Queuing and Disk Activity LED headers support. In addition to Native Command Queuing, the controller also supports Tagged Command Queuing with drives that can take advantage of this capability. Command Queuing increases I/O performance by intelligently reordering data requests so that the data can be more quickly accessed than if the commands weren't ordered.

SATA300™ TX4 Highlights

- :: 4 Serial ATA 3Gb/s Ports for support of up to 4 drives
- :: Native Command Queuing (NCQ)
- :: SATA Tagged Command Queuing (TCQ)
- :: Large LBA support for drives above 137GB
- :: Supports Serial ATAPI devices
- :: Disk Activity LED Headers
- :: Flexible future-proof upgrade for users with motherboards that only have a PCI interface



Performance Boost with



Advanced HBA Features

The low-profile form factor SATA300 TX4 PCI adapter incorporates many of Promise Technology's advanced host bus adapter features. The 66MHz PCI bus supports up to 266MB/sec burst data transfer rate. The SATA300 TX4 also includes large LBA support for drives above 137GB, and its onboard BIOS automatically identifies and configures drive type. The controller supports up to two controllers in the same system.

The Leader in SATA RAID

Promise Technology, Inc., recognized as the originator and worldwide leader of ATA RAID since 1997, has offered high-performance solutions for PC storage since 1988. Today the world's biggest OEMs and resellers look to Promise for ongoing innovations in ATA RAID design as the company continues to lead with the most powerful and economical alternatives to traditional RAID controllers and subsystems.

Specifications

Device Support

- 4 Serial ATA 3Gb/s ports for up to 4 Serial ATA devices

PCI Support

- 66 MHz PCI bus supports up to 266MB/sec burst data transfer rate
- PCI 2.3 compliant

Serial ATA Support

- Supports up to 4 Serial ATA devices
- Supports up to 300MB/sec* transfers with CRC error-checking
- Compliant to Serial ATA Rev. 1.0a
- Compliant to Serial ATA II: Extensions to Serial ATA 1.0a, including
 - Native Command Queuing (NCQ)
 - Staggered Drive Spin-Up
 - HDD Activity Indication
- Supports Serial ATA tagged command queuing (TCQ)
- Serial ATAPI Support

Large LBA Support

- Supports drives larger than 137GB

Onboard BIOS

- Auto-identifies and configures drive and device types; BBS Compliant; Flash-Upgradable

Operating System Support

- Windows 2000, Windows Server 2003, Windows XP
- Red Hat Linux
- SuSE Linux
- Linux open source code

Physical and Environmental

- Low-profile form factor (HW): 2 x 4.69 inches (51 x 119 mm)
- Cables in kit
 - 4 x 25" (650mm) Serial ATA Cables
- Operating temperature: 32 to 122°F (0 to 50°C)
- Relative humidity: 5%-95% non-condensing

Limited Warranty

3 Years

* 300 MB/sec reflects the drive interface speed. Actual data transfer depends on drive make, motherboard, and PCI bus speed.

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