

It's All About Your Data

SATAIII150™ TX2plus 2+1 SATA/PATA Controller

SATAIII150™ TX2plus 2+1 SATA/PATA PCI Adapter

 **Cost-effective 2-port Enhanced Serial ATA,
I-channel Parallel ATA PCI adapter**

- :: 2 Serial ATA 1.5G Ports plus 1 Ultra ATA/133 Channel for support of up to 4 drives
- :: PCI — 32-Bit / 66 MHz
- :: Native Command Queuing
- :: SATA Tagged Command Queuing
- :: Large LBA support for drives above 137GB
- :: Supports Serial ATAPI devices



Cost-effective 2-Port Serial ATA, I-Channel Parallel ATA Controller

The Promise SATAIII150 TX2plus 2+1 SATA/PATA PCI adapter offers the premier solution for combining new, high performance Serial ATA disk drives with existing Parallel (Ultra) ATA drives using the same controller. With the SATAIII150 TX2plus, users can connect up to two SATA drives and 2 PATA drives, offering users a cost-effective solution for upgrading their existing storage system with SATA.

Enhanced SATA Support

The controller complies with *Serial ATA II, Extensions to SATA 1.0* specification and features including Native Command Queuing and Disk Activity LED headers. 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. The SATAIII150 TX2plus controller also supports Serial ATAPI devices.

Parallel ATA from the Industry Leader

For support of legacy parallel ATA devices, the SATAIII150 TX2plus supports Ultra/ATA devices up to 133MB/sec data transfer rate. Drawing upon Promise's expertise in ATA, the controller incorporates performance enhancing features such as CRC error checking and separate timing for two devices attached to one ATA channel. The SATAIII150 TX2plus also supports Parallel ATAPI devices.



SATAIII150™ TX2plus

- :: 2 Serial ATA 1.5G ports
- :: 1 Ultra ATA/133 channel



Advanced HBA Features

The low-profile form factor SATAII150 TX2plus 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 SATAII150 TX2plus also includes large LBA support for drives above 137GB, and its onboard BIOS automatically identifies and configures drive type (Serial ATA, Ultra DMA mode).

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.

www.promise.com

Specifications

Device Support

- 2 Serial ATA ports plus 1 Ultra/133 ATA channel for up to 4 devices (2 Serial ATA 1.5G devices and 2 Parallel 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 2 Serial ATA devices
- Supports up to 150MB/sec transfers with CRC error-checking
- Compliant to Serial ATA Rev. 1.0
- Compliant to Serial ATA II: Extensions to Serial ATA 1.0, Rev. 1.0, including
 - Native Command Queuing
 - Staggered Drive Spin-Up
 - HDD Activity Indication
- Supports Serial ATA tagged command queuing (TCQ)
- Serial ATAPI Support

Parallel ATA Support

- Supports up to 2 Ultra ATA devices
- Up to 133MB/sec data transfer rate in Ultra ATA DMA mode
- Supports ATAPI devices
- Supports CRC error-checking for Ultra ATA drives
- Separate timing control for two devices attached to one ATA channel
- Supports ATA specification 18" maximum cable length

Large LBA Support

- Supports drives larger than 137GB

Onboard BIOS

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

Device Drivers**

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

Physical and Environmental

- Low-profile form factor
- Operating temperature: 32 to 122° F (0 to 50° C)
- Relative humidity: 5%-95% non-condensing

Limited Warranty

3 Years

* Data transfer rates may vary depending on drive make, motherboard, and PCI bus speed

** Check www.promise.com for latest operating system drivers

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