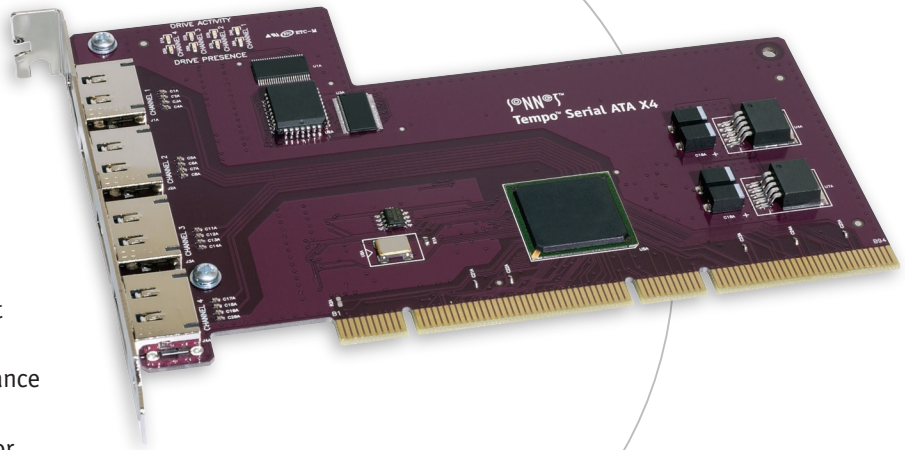


# TEMPO™ SATA X4P

SERIAL ATA HOST ADAPTER FOR PCI-X

## KEY FEATURES

- Four eSATA ports
- SATA II compliant, 1.5 Gb/s and 3 Gb/s auto-negotiation
- FIS-based Port Multiplier-aware to support up to 20 disk drives\*
- PCI-X host bus interface for high-performance applications
- Spread Spectrum Clocking (SSC) support for compatibility with all SATA drives
- Supports Mac OS® X and Windows® XP RAID
- Hot-swap drive support
- Mac and Windows



## Pure Performance, Pure SATAsfaction!

When it comes to data storage capabilities, which do you prefer, raw storage capacity or scorching performance? With Sonnet Technologies' Tempo SATA X4P, you get the best of both worlds! This card offers unprecedented scalability through its support of port multipliers—it can handle up to twenty drives\*! Used with high-performance drive enclosures like Sonnet's Fusion 500P, port multipliers manage the data flow of up to five drives in one enclosure through a single cable. Using today's highest-capacity drives, you can connect an astounding 10 Terabytes (10,000 Gigabytes!) of storage!

Tempo SATA X4P delivers performance previously unattainable with mainstream technologies. The PCI-X interface offers huge bandwidth for data throughput, so the card never slows you down. For the utmost performance, you can create multiple RAID arrays to capture and process uncompressed high definition video, or conquer other high-bandwidth applications. For fantastic flexibility, you can work with 20 drives individually and hot-swap them out as needed. You can even work with a combination of RAID arrays and individual drives—your choices aren't limited. When your storage needs have outgrown standard solutions, get a Tempo SATA X4P—it'll give you room to grow and blazing performance for the most demanding applications.

Part No: TSATAII-X4P

**SONNET™**

**SIMPLY FAST™**  
www.sonnettech.com

Sonnet Technologies, Inc.  
8 Autry, Irvine, CA 92618-2708 USA  
Tel: 1-949-587-3500 Fax: 1-949-457-6350



# TECHNICAL SPECIFICATIONS

## Software

- Operating System Requirements
  - Mac OS X Version 10.2 or later
  - Windows XP SP2†

## Hardware

- Compatible Models
  - Power Macintosh G3 Blue & White
  - Power Mac G4 (all models except Cube)
  - Power Mac G5 (with PCI or PCI-X slots only)
  - Xserve G5
  - PC with PCI or PCI-X slot
- Bus Type
  - PCI-X, 64-bit 133MHz
  - 32-bit PCI bus 2.2 Compliant, works in any PCI or PCI-X slot
- External Connectors
  - Four eSATA
- Drives Supported
  - Up to 20\*
- Data Transfer Rate
  - Up to 300 MB per second per port
- ATAPI Support
  - No
- Drive Types Supported
  - Serial ATA I & II
- Advanced Features
  - Port Multiplier aware
  - FIS-based switching controller
  - True plug and play, no device drivers to install\*\*
  - Spread Spectrum Clocking for compatibility with all SATA drives and lower EMI emissions
  - Bus Mastering frees CPU from data I/O handling
  - 48-bit LBA support for drives larger than 137 GB
- Warranty
  - 3-year limited warranty

## Firmware

- Upgradeability
  - Flash-ROM upgradeable to latest firmware version

## Package Contents

- Quick Start Guide

### Important Note:

Sonnet has determined that some port multiplier-equipped drive enclosures will not work properly when connected to the Tempo SATA card, due to the fact the port multiplier has the wrong firmware installed. This issue does not affect Sonnet's Fusion 500P. For more information on this issue and how to resolve it, visit: [http://www.sonnettech.com/support/techtips/tsataii\\_tt01.html](http://www.sonnettech.com/support/techtips/tsataii_tt01.html)

\* Support for 20 drives requires the use of drive enclosures employing port multipliers (like Sonnet's Fusion 500P). When using an enclosure without a port multiplier (such as Sonnet's Fusion 400), Tempo SATA X4P will support up to 4 drives.

\*\* Mac OS driver is built-in. Windows drivers are available on Sonnet website.

† Support for port multipliers under Windows currently limited to Silicon Image 3726 chip-based products such as Sonnet's Fusion 500P enclosure. Silicon Image 4726 chip-based port multipliers are not supported at this time; check [http://www.sonnettech.com/downloads/adapter\\_sw.html](http://www.sonnettech.com/downloads/adapter_sw.html) for future updates.