

# TEMPO™ SERIAL ATA

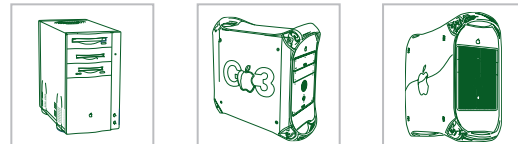
## 2-PORT SERIAL ATA CARD

### KEY FEATURES

- ▶ Easy installation
- ▶ Compatible with most PCI Power Macintosh
- ▶ 48-bit LBA support for drives larger than 137GB
- ▶ Supports OS X mirroring and striping
- ▶ Compatible with Mac® OS 8.0 through Mac OS X
- ▶ Boots from any attached hard drive



Part No: TSATA



### IMPRESSIVELY FAST—TRANSFERS DATA AT UP TO 1.5 Gb PER PORT!

Sonnet's Tempo Serial ATA PCI adapter card enables you to connect the latest Serial ATA (SATA) and parallel\* hard drives to your older Macintosh computer. Take advantage of the higher data transfer rates and improved cabling performance that SATA offers. Watch your data fly at up to 1.5 Gbps per port without sacrificing integrity! Just install this card into a PCI slot and make the switch to Serial ATA. Now what could be easier?

Sonnet Technologies is the leader in Macintosh upgrade products. Our engineering experience enables us to provide Macintosh users with the most reliable products in the industry. Keep us in mind whenever you are planning to upgrade your Mac, Sonnet offers an ever-expanding array of upgrade solutions that will increase the performance and extend the life of your Macintosh system.

**SONNET**

*SIMPLY FAST*  
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# SPECIFICATIONS

## Software

Operating System Requirements  
Mac OS Bootability

- Supports Mac OS 8.0 through 9.2, and Mac OS X Version 10.2 or later
- Supported from any attached drive

## Hardware

Compatible Models  
General System Hardware

Bus Type  
Internal Connectors  
Drive Types Supported

ATAPI Device Support  
Data Transfer Rate  
Drive Modes Supported

Advanced Data Features

Cables Supported  
Warranty  
Power Requirements  
Environmental

- Most PCI Macintosh computers (see chart)
- Compliant 32-bit PCI bus version 2.2
- Available hard drive or peripheral power connector
- 32 bit, 33/66MHz PCI
- 2-port internal Serial ATA interface connectors support up to 2 hard drives
- Serial ATA hard drive
- Backward compatible with Ultra DMA 133/100/66/33 (parallel) drives\*
- Yes\*
- Up to 150 Mbytes/second or 1.5 Gbits/second burst data transfer rate
- Serial ATA
- Ultra DMA modes 6/5/4/3/2/1/0, PIO modes 4/3/2/1/0\*
- Fully compliant with Serial ATA 1.0a specification
- Bus Mastering off-loads data I/O handling from CPU
- Complete 32-bit CRC error checking, for all bits transmitted (command, data and status), offers enhanced data protection for high-speed Serial ATA drives
- Dual independent data channels allows for separate device timings
- Automatically identifies and configures drive types\*
- Automatically detects and supports devices utilizing many transfer modes including UltraDMA 6/5/4/3/2/1/0, PIO 4/3/2/1/0\*
- 7-pin SATA cable, either end of cable can be connected to the SATA hard drive or to the PCI host adapter
- 3-year limited warranty
- 5V +/- 5%
- Temperature: Operating: +5 C to +55 C; Non-operating: -25 C to +10 C
- Relative humidity: Operating: 20% to 80%; Non-operating: 15% to 90%

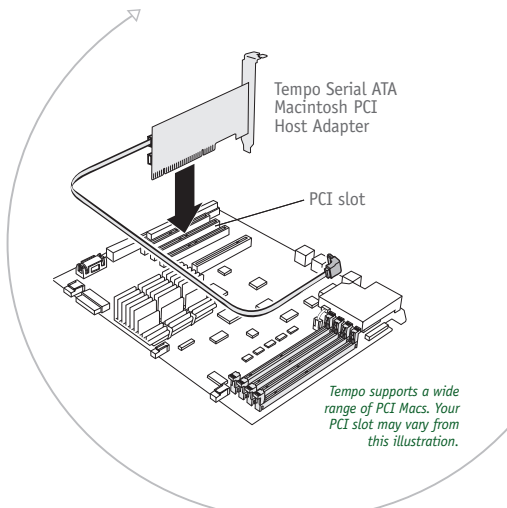
## Firmware

Upgradeability

- Flash-ROM upgradeable to latest firmware

## Package Contents

- Tempo Serial ATA 2-Port PCI Controller Card
- Quick Start Guide
- 1 Serial ATA data interface cable
- 1 legacy-to-Serial ATA power cable
- Drive mounting screws



	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
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Apple Power Macintosh	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
Power Macintosh 4400	2	1**
Power Macintosh 6400	2	1
Power Macintosh 6500	2	1**
Power Macintosh 7200, 7215	2	1
Power Macintosh 7220	2	1**
Power Macintosh 7300	3	1
Power Macintosh 7500	3	1
Power Macintosh 7600	3	1
Power Macintosh 8200	3	2
Power Macintosh 8500	3	2
Power Macintosh 8515	3	2
Power Macintosh 8600	3	1
Power Macintosh 9500	6	1
Power Macintosh 9500/180MP	6	1
Power Macintosh 9515	6	1
Power Macintosh 9600	6	2
Power Macintosh 9600/200MP	6	2
Power Macintosh G3 All-in-one	3	1**
Power Macintosh G3 Blue & White	4	3
Power Macintosh G3 Desktop	3	1
Power Macintosh G3 Minitower (built before 6/1/99)	3	1
Power Macintosh G3 Minitower (built 6/1/99 and after)	3	1
Power Mac G4 (PCI Graphics)	4	2-3
Power Mac G4 (AGP Graphics)	3	2-3
Power Mac G4 (Gigabit Ethernet)	3	2-3
Power Mac G4 (Digital Audio)	4	3
Power Mac G4 (QuickSilver)	4	3
Power Mac G5 (with PCI or PCI-X slots only)	3	1
Apple Servers		
Macintosh Server G3	3	2
Macintosh Server G4	3	2
Workgroup Server 7250	3	1
Workgroup Server 7350	3	1
Workgroup Server 8550	3	1
Workgroup Server 9650	6	2

	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
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Apple Performa	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
Performa* Series 6400, 6410, 6420	2	1
Mac OS Compatibles		
• Daystar Genesis and Millennium Series	6	6
• Mactell XB-Pro	6	6
Power Computing		
• PowerBase Desktop	3	1
• PowerBase Tower	3	1
• PowerCenter	3	1
• PowerCenter Pro Desktop	3	1
• PowerCenter Pro Minitower	3	2
• PowerCurve	3	1
• PowerTower	3	2
• PowerTower Pro	6	5
• PowerWave	3	2
StarMax		
• 3000	3	3
• 3000 Minitower	5	5
• 4000	3	3
• 4000 Minitower	5	5
• 5000	5	5
• 5500	5	4
UMAX		
• C500	2	1**
• C600	3	4
• C600X	4	2
• J700	4	2
• S900	6	5

\* IDE to Serial ATA converter required for parallel ATA drives and ATAPI devices

\*\* Requires the removal of an internal CD-ROM or ZIP drive.