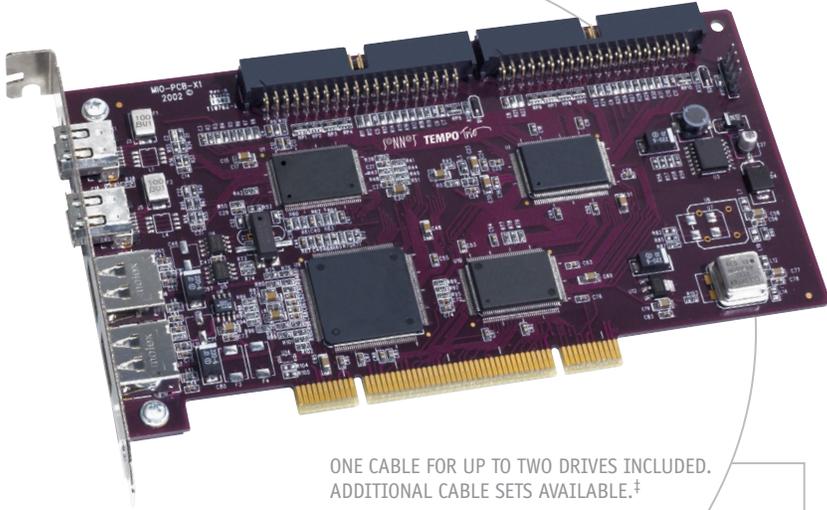


TEMPO™ Trio

PCI ADAPTER COMBO CARD WITH ATA/133, FIREWIRE®, AND USB 2.0



ONE CABLE FOR UP TO TWO DRIVES INCLUDED.
ADDITIONAL CABLE SETS AVAILABLE.†

Fill your system with all the latest interface technologies without loading up your PCI slots! The Sonnet Tempo Trio combines the fastest available ATA drive interface and high-speed peripheral connections in one, simple-to-install card. Plug the Trio into a PCI slot, connect your drives, hot-plug the latest digital devices—you've created your own digital hub.

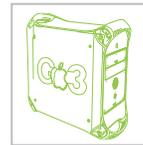
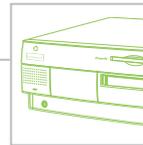
Expand your data storage capacity economically by connecting up to four big, fast internal ATA hard drives to the Trio—this is an easy way to improve your system's performance. If you've never opened your computer, don't worry—installing drives is easier than you might think. We even include one Ultra ATA cable (for two drives) and drive mounting screws to simplify the installation process. Just choose the drive(s) to fit your needs—you can use ATA/33, ATA/66, ATA/100, or ATA/133† drives—the Trio can handle them all.

Plug in the latest digital devices—DV camcorders, digital cameras, external drives, MP3 players, and more—to the individually powered ports to improve your "peripheral vision"! The Trio supports FireWire, USB 2.0* and USB 1.1, so you can choose from a vast array of gadgets and tools to connect to your system, and really take advantage of all the iApplications!

*USB 2.0 support requires Mac OS X 10.2.8 or later.

KEY FEATURES

- ▶ Three functions, one PCI slot
- ▶ Easy installation
- ▶ Compatible with most PCI Power Macintosh®
- ▶ Supports Mac® OS 9.0 through Mac OS X
- ▶ Conveniently co-exists with SCSI and other pre-existing devices
- ▶ Supports all types of DMA drive protocols: ATA1 through ATA6
- ▶ ATA/133 maximum data transfer rate of 133MB/s
- ▶ Add up to 4 internal ATA/IDE drives
- ▶ One cable included (supports two drives)
- ▶ Boots from any attached internal ATA/IDE hard drive
- ▶ FireWire data transfer rate of up to 400 Mbits/s
- ▶ USB 2.0 data transfer rate of up to 480 Mbits/s
- ▶ Supports all industry-standard FireWire and USB 1.1 and 2.0 peripherals*
- ▶ iPod® compatible



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 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.

Part No: T133FWU2-M

†TCB-AGP Supports 4 ATA/133 drives (Power Mac G4 AGP Graphics, Gigabit Ethernet, Digital Audio, Quicksilver 2001 & 2002); 3 ATA/133 drives (B&W G3, G4 PCI Graphics)

†TCB-MDS Supports 4 ATA/133 drives (Power Mac G4 Mirrored Door Systems)

SONNET™

SIMPLY FAST™
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USB 1.1 & Hi-SPEED
USB 2.0
READY



SPECIFICATIONS

Software

Operating System Requirements
Drive Formatting

- Mac OS 9.0 through OS X
- Supports Apple® Drive Setup Utility (version 1.5 or later) or other third party software

Hardware

Compatible Models
Bus Interface
Warranty

- Most PCI Macintosh (see chart)
- PCI
- 3-year limited warranty

ATA Hardware Specs

Number of Internal Drives Supported
Internal Drives Supported

- 4
- Supports any ATA/IDE fixed media hard drive including ATA/33, ATA/66, ATA/100, and ATA/133†
- Removable media/ATAPI devices supported under OS X

Data Transfer Rate

- Sustained rate dependent on drive specifications
- Up to 133 MB/s in burst master cycle

Advanced Features

- Coexists with SCSI and onboard IDE devices
- 2 IDE ports

Cables Supported

- Multiple cards can operate simultaneously
- 40-pin/80-wire IDE cables (one included; 80-wire required for all ATA support)
- 40-pin/40-wire IDE cables (ATA/33 only)

ATA Firmware Specs

Auto Detection

- Automatically recognizes and configures DMA drive protocols ATA1 through ATA6
- Automatically recognizes 80-wire cable with ATA drive

Compatibility

- Compatible with ATA/33, ATA/66, ATA/100, and ATA/133

Upgradeability

- Flash-ROM upgradeable to latest firmware

FireWire

Number of External Ports
Standard
Data Transfer Rate
Number of Devices Supported
FireWire Port Power

- 2
- IEEE 1394 compliant
- 100/200/400 Mbits/s
- Up to 63
- 12 Watts/port (12V at 1A)
- Each port can provide power to or draw power from attached devices as needed

Cable Hops

- Up to 16 consecutive cable hops of 4.5 meters

	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
Apple Power Macintosh		
Power Macintosh 4400	2	1**
Power Macintosh 7200, 7215	3	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††	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	2-3
Power Mac G4 (QuickSilver)	4	3

	Number of PCI Expansion Slots	Number of Unoccupied Expansion Bays in Computer
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
Apple Performa		
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
• 4000	3	3
• 5000	5	5
• 5500	5	4
UMAX		
• C500	2	1**
• C600	3	4
• C600X	4	2
• J700	4	2
• S900	6	5

USB

Number of External Ports
Standard
Data Transfer Rate

Number of Devices Supported
USB Port Power

- 2
- 2.0 and 1.1 compliant
- 480 Mbits/s—USB 2.0
- 12 Mbits/s—USB 1.1
- Up to 127
- 2.5 Watts/port (5V at 500mA) continuous current; over-current shutdown limit of 1A/port
- Acting as a powered hub, each port has active power switching and fault detection. Each port is powered separately, so faults on one port will not affect the power on other active ports.

FireWire/USB 2.0

Peripherals Supported

- Supports all industry-standard FireWire and USB 1.1 and 2.0* peripherals
- Supports plug-and-play specification
- Hot-pluggable and hot-swappable device connections (meets USB transient droop requirements)
- Power is closely regulated throughout Tempo Trio, so devices drawing different, specific voltages on the FireWire and USB busses receive power at optimal levels at all times.
- Automatic, no termination or device IDs required

Plug-and-Play

Hot Plug

Power Management

Device Configuration

† High capacity (larger than 137GB) hard drives are supported in OS 9.x and OS 10.2.x using firmware version 3.5.0, 4.5 or later. For complete details, visit the Tempo Trio support page.

†† Some Beige Power Macintosh G3 Minitower and Desktop machines (those with a revision 3 logic board) are incompatible with the Tempo Trio. To determine your computer's logic board revision, open the Apple system profiler utility and find the ROM revision line. If the information listed is \$77D.45F2, your computer has a revision 3 logic board and is not compatible with the Tempo Trio.

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