Quick Start Guide
for Tempo™ SSD 6Gb/s SATA PCIe Drive Card for SSDs

Tempo SSD shown with SSDs attached; drives not included (sold separately)
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Introduction and Package Contents

Congratulations on your purchase! Tempo SSD provides a handy way to install one or two 2.5-inch SATA SSDs (or HDDs) into a PCIe slot. Its unique design enables it to be used in half-length card spaces (with a single drive) or full-length card space with two drives when you attach the included extension bracket. OS X®, Windows®, and Thunderbolt™ compatible, this card supports both operating systems’ RAID features and works in PCIe expansion chassis without additional drivers.

1 – Tempo SSD Card
This half-length card supports one SSD on its own. Installation of a second SSD requires the installation of the included extension plate.

2 – Drive Mount Screws
When you use a single SSD, this set of four screws secures your SSD to the Tempo SSD card; when you use two SSDs, this set of four screws secures the extension plate to the Tempo SSD card.

3 – Support Tab
In longer PCIe slots, this tab provides additional support for the Tempo SSD card. In some installations, it may be necessary for you to snap off the tab to allow the card to fit properly.

4 – Extension Plate and Mounting Screws
This plate must be attached to the Tempo SSD card when you install a second SSD. It extends the total length to that of a full-length PCIe card to enable it to use a computer’s or expansion chassis’ card guide. Attach the plate to the card using the included package of four screws; attach both SSDs using the eight mounting screws attached to the plate.
Optional Card Preparation Steps

Installation Preparation
Prior to attaching SSDs to the Tempo SSD and installing the card, you should perform the steps below as necessary. Remove the Sonnet card from its packaging, handling the card by its edges and without touching any components or gold connector pins. Set the card down on a flat, level surface to perform the steps.

Extension Plate Installation Steps
If you intend to install a second SSD, you must first attach the extension plate to the Tempo SSD card.

1. Flip the Tempo SSD card component side down (Figure 1).

2. Line up the extension plate underneath the Tempo SSD card as shown (Figure 1).

3. Using the included package of four screws, secure the extension plate to the card; do not overtighten the screws (Figure 1).
SSD Installation Steps

Single SSD Installation
If you intend to install two SSDs, skip to the next page. Otherwise, perform the steps below.

1. If you haven't already done so, remove the Sonnet card from its packaging, handling the card by its edges and without touching any components or gold connector pins. Set the card down on a flat, level surface.

2. Remove the SSD from its packaging.

3. Place the SSD label side up on top of the Tempo SSD card with the SSD's and card's connectors aligned with each other (Figure 2).

4. Push the SSD's connector into the Tempo SSD's connector until the SSD is completely seated (Figure 2).

5. Holding the SSD firmly against the card, flip the assembly over.

6. Using the included package of four screws, secure the SSD to the Tempo SSD card; do not overtighten the screws (Figure 3).
SSD Installation Steps

Dual SSD Installation
1. Remove and set aside the eight screws secured to the extension plate (Figure 4).

2. Flip the card/plate assembly over, component side up.

3. Remove the SSDs from their packaging.

4. Place an SSD label side up on top of the Tempo SSD card with the SSD’s and card’s connectors aligned with each other (Figure 5).

5. Push the SSD’s connector into the Tempo SSD card’s connector until the SSD is completely seated (Figure 5).

6. Holding the SSD firmly against the card, flip the assembly over again.

7. Using four of the eight screws you removed previously, secure the SSD to the Tempo SSD card; do not overtighten the screws (Figure 6).
SSD Installation Steps

Dual SSD Installation (continued)

8. Flip the card/plate assembly over again, and then place the second SSD label side up on top of the extension plate with the SSD's and card's connectors aligned with each other (Figure 7).

9. Push the SSD's connector into the Tempo SSD card's connector until the SSD is completely seated (Figure 7).

10. Holding the SSD firmly against the plate, flip the assembly over again.

11. Using the remaining four screws you removed previously, secure the SSD to the extension plate; do not overtighten the screws (Figure 8).
Tempo SSD Card Installation Steps

Hardware Installation Steps for All Users

1. Shut down your computer or expansion chassis, disconnect its power cable, and then open it to access the expansion card area (PCI Express slots); refer to the user manual for specific information.

2. Locate an available PCI Express slot and remove its access cover if necessary. Windows users skip to the next step; OS X users:
   - Mac Pro (Mid 2012), Mac Pro (Mid 2010), Mac Pro (Early 2009) and pre-2008 Mac Pro users may install the card into any available slot; Mac Pro (Early 2008) users must only use slot 3 or 4.
   - Power Mac G5 users should use slot 2 or 4, or slot 3 if necessary.

Support Note for Pre-2008 Mac Pro Users: When you turn on your computer after installing the Tempo SSD, depending on which version of Mac OS X your computer is running, the Expansion Slot Utility application will open automatically. If it does not open by itself, you must do so manually (Expansion Slot Utility is located in the /System/Library/CoreServices folder). Select the configuration appropriate for your setup (Tempo SSD is an x2 card, and should be assigned at least an x2 slot), and then click Quit if the default configuration was appropriate, or click Save and Restart if you changed the configuration.

3. Install the Tempo SSD card with attached SSDs into the slot; make sure the card is firmly seated and secured. If necessary, break off the support tab to allow the card to be installed in your computer or expansion chassis.

4. Close your computer or expansion chassis.

5. Reconnect the computer.

Driver Information

OS X:
The drivers that enable the Tempo SSD card to work in your computer are installed as part of OS X; the Tempo card is ready to use when you power on your computer.

Windows:
After starting up Windows, the drivers that enable the Tempo SSD card to operate in your system are installed automatically. A Found New Hardware popup will appear. Then, information regarding the process of identifying the card, and searching for and installing the appropriate software will appear. Finally, the message “Your new hardware is installed and ready to use” will be displayed, and then the popup will disappear.

Formatting Drives

OS X:
Use Disk Utility (found in the Utilities folder within the Applications folder) to set up connected SSDs for use.

Windows:
If you intend to format drives connected to the Tempo card using Windows drive formatting tools (Disk Management), you may locate the information by using “format volume”, and “create striped volume” as search items in Windows Help.

Booting From Attached SSDs

OS X:
Tempo SSD supports booting OS X 10.6.8 and later from attached SSDs, including those configured as a RAID set, when installed in early 2008 and later Mac Pro computers and Thunderbolt-to-PCIe expansion chassis, as described below:

- All Tempo SSD cards support booting from attached SSDs when the card is installed in a Thunderbolt-to-PCIe expansion chassis.
- Installed in a Mac Pro (Early 2008 model and newer), revision B (serial number starts with B) and later cards support booting out of the box.
- Revision A cards may be updated to support booting when the card is installed in a Mac Pro (Early 2008 model and newer). You may obtain the software to update the card by visiting www.sonnettech.com/support kb/kb.php, navigating to the Tempo SSD support page, and downloading the firmware updater.

Please note that in some cases it may be necessary for you to hold the option key during a start or restart, and then select the startup disk attached to the Tempo card.

Windows:
Tempo SSD supports booting from a single SSD when the card is installed in a PC running Windows 8 or 7; booting from a software-created RAID volume is not supported.
Contacting Sonnet Customer Service

USA Customers
The Sonnet Web site located at www.sonnettech.com has the most current support information and technical updates. Before you call Sonnet Customer Service, please check our Website for the latest updates and online support files, and check this User’s Guide for helpful information. When you call Sonnet Customer Service, have the following information available so our customer service staff can better assist you:

• Product name
• Date and place of purchase
• Computer model
• PCIe card models
• Operating system version
• Software/firmware versions

If further assistance is needed, please contact Sonnet Customer Service at:
Tel: 1-949-472-2772
(Monday–Friday, 7 a.m.–4 p.m. Pacific Time)
E-mail: support@sonnettech.com

For Customers Outside the USA
For support on this product, contact your reseller or local distributor.

Visit Our Web Site
For the most current product information and online support files, visit the Sonnet Web site at www.sonnettech.com/support/. Register your product online at http://registration.sonnettech.com to be informed of future upgrades and product releases.

Specifications and Support Information

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| **Mac Compatibility** | • Mac Pro  
• Power Mac G5 with PCIe slots  
• OS X Version 10.5+ |
| **Windows Compatibility** | • PC (with PCIe slots)  
• Windows 8  
• Windows 7  
• Windows Vista® |
| **Thunderbolt Compatibility** | Any computer with a Thunderbolt port via Sonnet's Echo™ Express Thunderbolt Expansion Chassis for PCIe cards, or Sonnet's xMac™ mini Server (Mac mini only) |
| **Firmware** | Flash-ROM upgradeable to latest firmware version |
| **Boot Support** | Single SSD or up to six SSDs in a RAID 0: 
• Mac Pro 3,1 (early 2008 and newer  
• Any Mac with a Thunderbolt port  
Single SSD only:  
• Windows 7 or 8 PCs |
| **RoHS Compliant** | Yes |