

PRESTO™ GIGABIT SERVER PCIe

DUAL-CHANNEL GIGABIT ETHERNET ADAPTER CARD FOR PCI EXPRESS

Quick Start Guide for Presto Gigabit Server PCIe

You Should Have

The following items should be included in your product package:

- One Presto Gigabit Server PCIe adapter card for PCI Express
- Half-height PCI bracket

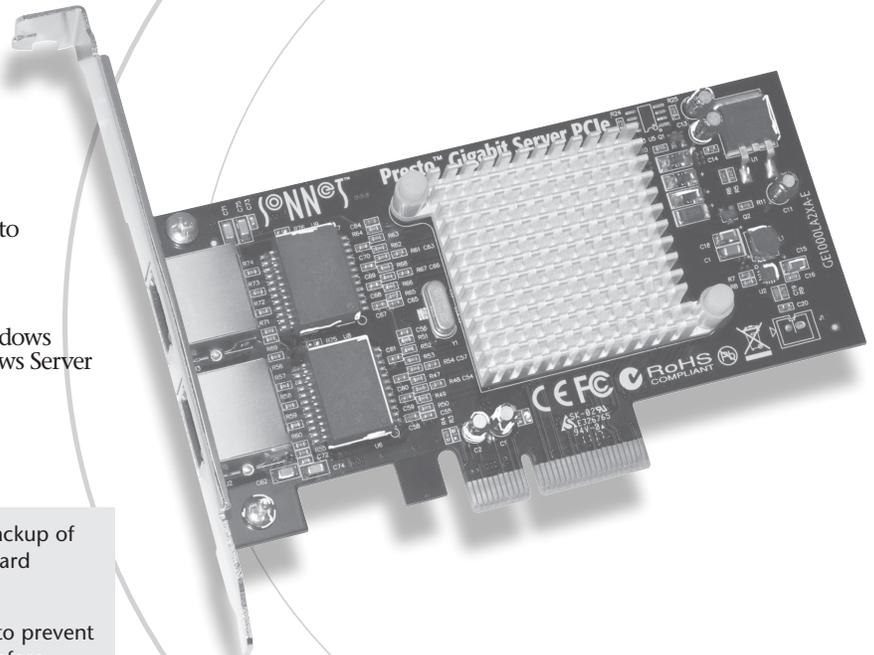
The following items may be required for installation:

- Medium Phillips screwdriver

System Requirements

Presto Gigabit Server PCIe requires the following in order to operate in your system:

- One available PCI Express (PCIe) x4 or x8 slot
- Mac OS X Version 10.5.8 or later, or Windows® 7, Windows Vista®, Windows XP with SP2 or SP3 installed, Windows Server 2008, or Windows Server 2003
- Internet access (for driver download)



Support Notes: We recommend you make a backup of important information on your system's current hard drive(s) prior to installing new hardware or software.

When handling computer products, you must take care to prevent components from being damaged by static electricity. Before opening your computer or removing parts from their packages, always ground yourself first by touching a metal part of the computer, such as a port access cover, and work in an area free of static electricity; avoid carpeted areas. Handle all electronic components by their edges, and avoid touching connector traces and component pins.

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Remember to register your product online at <http://registration.sonnettech.com> to be informed of future upgrades and product releases.

Software updates and links are available from the Sonnet web site at www.sonnettech.com. • Online support form available at <http://supportform.sonnettech.com>.
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Installation Steps

INSTALLATION STEPS FOR MAC USERS

The following section covers installation and configuration steps for the Presto Gigabit Server PCIe card in a Mac computer. If you are installing the Presto Gigabit Server PCIe into a Windows PC, skip to INSTALLATION STEPS FOR WINDOWS USERS on the next page.

Installation Preparation

Sonnet strongly recommends that you read the section in your computer's user manual that addresses PCI card installation, prior to installing the Presto Gigabit Server PCIe into your system.

Card Installation Steps

1. Shut down your computer, and then open it to access the expansion card area (PCI Express slots); refer to your computer's user manual for specific information.
2. Locate an available x4 (4-lane) or x8 (8-lane) PCI Express slot inside your computer and remove its access cover:
 - Xserve (2009), Xserve (Early 2008), and Xserve (Late 2006), users may install the card into either slot.
 - Mac Pro (Mid 2010), Mac Pro (Early 2009), and Mac Pro (Early 2008) users should use slot 3 or slot 4.
 - Pre-2008 Mac Pro users may install the card into any available slot.
 - Power Mac G5 users should use slot 2 or slot 4 if possible, or slot 3 if necessary.
3. Remove the Sonnet card from its packaging, and then install it into the PCI Express slot; **make sure the card is firmly seated and secured.**
4. Close your computer.
5. Plug in one or two twisted pair Ethernet cables to the Presto Gigabit Server PCIe card.

6. Turn on your computer; depending on the computer and operating system used:

- If you installed the card into an Xserve, Mac Pro (Mid 2010), Mac Pro (Early 2009), Mac Pro (Early 2008), or Power Mac G5, your installation is complete; proceed to Basic Configuration Steps—Mac OS X Users.
- If you installed the card into a pre-2008 Mac Pro, Expansion Slot Utility should 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 (your Sonnet card is an x4 card, and should be assigned at least an x4 slot), and then click Quit if the default configuration was appropriate, or click Save and Restart if you changed the configuration. Your installation is complete; proceed to Basic Configuration Steps—Mac OS X Users.

Driver Information—Mac OS X

The drivers that enable the Presto Gigabit Server PCIe card to work in your computer are installed as part of Mac OS X; the Presto card is ready to use when you power on your computer.

Basic Configuration Steps—Mac OS X Users

Listed below are the basic steps necessary to configure the Presto Gigabit Server PCIe card for use in your computer.

1. Open System Preferences and click Network
2. In the Network preferences panel, click one of the Presto Gigabit Server PCIe card's ports (identified as PCI Ethernet card slot x, port 1, and PCI Ethernet card slot x, port 2) in the left panel, and then configure the settings, if necessary (repeat for both ports). If your computer was already connected to a network using built-in Ethernet, you may not have to enter new settings.
3. When you've completed reviewing or changing the settings, click Apply.
4. If you used existing settings and do not need to combine Ethernet ports, your installation is complete. For additional information on configuring settings, refer to Mac Help (Help > Mac Help from the Finder) and www.apple.com/support; type "network, ethernet" and "combining ethernet ports" to display various articles.

Installation Steps

INSTALLATION STEPS FOR WINDOWS USERS

The following sections cover installation and configuration steps for the Presto Gigabit Server PCIe card in a Windows computer.

Installation Preparation

Sonnet strongly recommends that you read the section in your computer's user manual that addresses PCI card installation, prior to installing the Presto Gigabit Server PCIe into your system.

Card Installation Steps

1. Shut down your computer, and then open it to access the expansion card area (PCI slots); refer to your computer's user manual for specific information.
2. Locate an available x4 (4-lane) or x8 (8-lane) PCI Express slot inside your computer and remove its access cover.
3. Remove the Sonnet card from its packaging, and then install it into the PCI Express slot; **make sure the card is firmly seated and secured.**
4. Close your computer.
5. Plug in one or two twisted pair Ethernet cables to the Presto Gigabit Server PCIe card.

Software Installation and Card Configuration— Windows (all Versions Except XP and Server 2003)

After starting Windows, the base drivers that enable the Presto Gigabit Server PCIe card to operate in your system are installed automatically. In order to access the Sonnet adapter's advanced features such as teaming, etc., you must download and install additional software.

1. Log onto the Internet. Go to <http://www.sonnettech.com/support/kb/kb.php>, click on the Computer Cards link, and then click on the PCIe Cards link.
2. Locate and click the Presto Gigabit Server PCIe link, then the Driver link, and then click Presto Gigabit Server PCIe Software (Windows, Except XP and Server 2003). Click the Download Now link; you will be redirected to a new page.
3. Locate the correct "Network Adapter Driver for Windows" software for your system, and then click Download; another page will load. Read the license agreement, and then select the "I accept the terms in the license agreement" radio button. When offered the option to run or save the file, select save as, select a save location, and then click Save; the software will be downloaded. When the download is complete, click Close.

4. Locate the file you just downloaded, and then double-click it to launch the software installer. Follow the onscreen instructions, making sure that the "Intel ProSET for Windows Device Manager" and "Advanced Network Services" options are selected for installation when the *Setup Options* window appears.
5. After the software installation is complete, configure the Presto card by changing network settings. Click Start, and then select Control Panel. In the *Control Panel* window, double-click Network and Sharing Center. In the *Network and Sharing Center* window, click the "Change adapter settings" link on the left. In the next window, the Presto card's ports are identified as "Intel(R) PRO/1000 PT Dual Port Server Connection #1" and "Intel(R) PRO/1000 PT Dual Port Server Connection #2". Double-click one of the icons to bring up the Properties window to make basic changes; click Configure to access the card's advanced features.

Software Installation and Card Configuration— Windows XP and Server 2003

After starting Windows, the base drivers that enable the Presto Gigabit Server PCIe card to operate in your system are *not* installed automatically. You must download and install software through the Sonnet Website to support the Presto Gigabit Server PCIe card in your computer. This software will also enable the Sonnet adapter's advanced features, such as teaming, etc.

1. Turn on your computer; during startup, a *Hardware Wizard* window will appear; click Cancel.
2. Log onto the Internet. Go to <http://www.sonnettech.com/support/kb/kb.php>, click on the Computer Cards link, and then click on the PCIe Cards link.
3. Locate and click the Presto Gigabit Server PCIe link, then the Driver link, and then click Presto Gigabit Server PCIe Software (Windows XP and Server 2003). Click the Download Now link; you will be redirected to a new page.
4. Locate the correct "Network Adapter Driver for Windows" software for your system, and then click Download; another page will load. Read the License Agreement, and then select the "I accept the terms in the license agreement" radio button; two new windows will open.
5. In the top window, click Save, select a save location, and then click Save; the software will be downloaded. When the download is complete, click Close.

(continued on next page)

Installation Steps

Software Installation and Card Configuration— Windows XP and Server 2003 (continued)

6. Locate the file you just downloaded, and then double-click it to launch the software installer. Follow the onscreen instructions, making sure that the “Intel ProSET for Windows Device Manager” and “Advanced Network Services” options are selected for installation when the *Setup Options* window appears.
7. After the software installation is complete, configure the Presto card by changing network settings. Click Start, and then select Control Panel. In the *Control Panel* window, double-click Network Connections. In the *Network Connections* window, the Presto card’s ports are identified as “Intel(R) PRO/1000 PT Dual Port Server Connection #1” and “Intel(R) PRO/1000 PT Dual Port Server Connection #2”. Double-click one of the icons to bring up the Properties window to make basic changes; click Configure to access the card’s advanced features.

About the Presto Gigabit Server PCIe Card

Link/Activity indicator - This green LED displays the link status.

- When the *LED is off*, there is *no link* between the Presto card and the network.
- When the *LED is on*, a *link is established*, but there is *no traffic* on the network.
- When the *LED is flashing*, there is *traffic on the network* to which the Presto card is connected.

Link Speed indicator - This LED displays link speed connection status.

- When the *LED is lit green*, a *1000BaseT link is established*.
- When the *LED is lit orange*, a *100BaseT link is established*.
- When the *LED is off*, a *10BaseT link is established*.

Ethernet ports - Plug in any Category 5 or 6 unshielded twisted pair (UTP) cables with RJ-45 connectors.

- Use standard cables when you are connecting your computer through a hub.

