

# PRESTO™ GIGABIT PCIe PRO

## GIGABIT ETHERNET ADAPTER CARD FOR PCI EXPRESS

### Quick Start Guide for Presto Gigabit PCIe Pro

#### You Should Have

The following items should be included in your product package:

- One Presto Gigabit PCIe Pro adapter card for PCI Express

The following items may be required for installation:

- Medium Phillips screwdriver

#### System Requirements

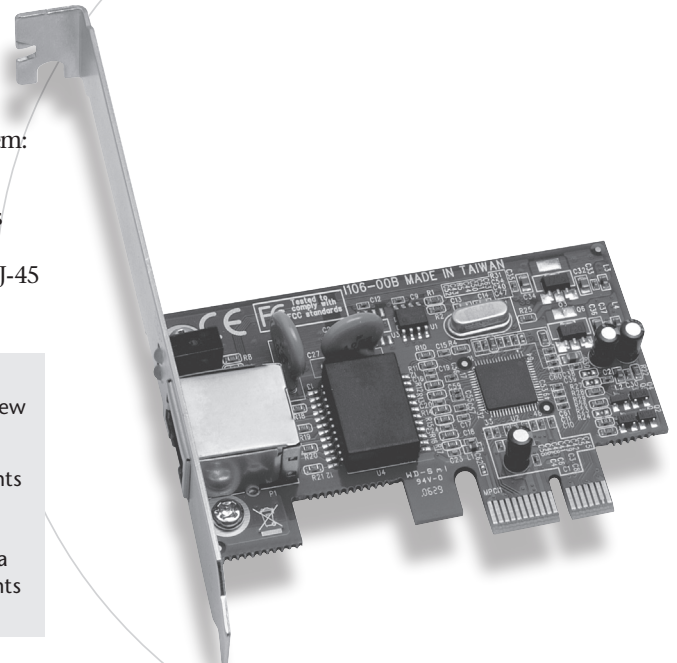
Presto Gigabit PCIe Pro requires the following in order to operate in your system:

- One available PCI Express (PCIe) slot
- Mac OS X Version 10.4.11\*, or 10.5.2 or later; or Windows® Vista, Windows Server 2003, or Windows XP with SP2 installed
- One standard Unshielded Twisted Pair (UTP) Category 5 or 6 cable with RJ-45 connectors



**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.



\*Power Mac G5 requires Mac OS X Version 10.5.2 or later



[www.sonnettech.com](http://www.sonnettech.com)

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](http://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 PCIe Pro card in a Mac computer. If you are installing the Presto Gigabit PCIe Pro 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 PCIe Pro 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 PCI Express slot inside your computer and remove its access cover:
  - Power Mac G5 users should use slot 2 or slot 4 if possible, or slot 3 if necessary.
  - Pre-2008 Mac Pro users may install the card into any available slot.
  - Mac Pro (Early 2008) users should only use slot 3 or slot 4.
  - Xserve (Late 2006) users may install the card into either slot.



**WARNING:** The PCI Express 2.0 slot (slot 2) in Mac Pro (Early 2008) computers does not currently support the Presto Gigabit PCIe Pro card. Until this issue is resolved, Mac Pro (Early 2008) system owners should install the Presto Gigabit PCIe Pro card in slot 3 or slot 4. Check Sonnet's Website for updated information.

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 a twisted pair Ethernet cable to the Presto Gigabit PCIe Pro card.

6. Turn on your computer; depending on the computer and operating system used:
  - If you installed the card into a Mac Pro (Early 2008), Power Mac G5, or Xserve (Late 2006), proceed to Software Installation Steps.
  - If you installed the card into a pre-2008 Mac Pro, depending on which version of Mac OS X your computer is running, Expansion Slot Utility 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 (your Sonnet card is an x1 card), and then click Quit if the default configuration was appropriate, or click Save and Restart if you changed the configuration.

### System Configuration Steps—Mac OS X Version 10.5 (Leopard) Users

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

1. On startup, a window will appear stating a new network interface has been detected. Click the Network Preferences button; System Preferences will open with Network preferences selected.
2. If it is not already selected, click on the Presto Gigabit PCIe Pro (identified as a PCI Ethernet card) in the left panel, and then configure the settings, if necessary. If your computer was connected to a network using built-in Ethernet, you may not have to enter new settings; click the Apply button.
3. If you created new settings, or edited existing settings, click the Apply button.
4. Close System Preferences; if you used existing settings, 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](http://www.apple.com/support); type "network, ethernet" and "combining ethernet ports" to display various articles.

### System Configuration Steps—Mac OS X Version 10.4 (Tiger) Users

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

1. From the Apple menu, select System Preferences.
2. Click the Network icon; a window will appear stating that a new port is detected. Click OK.

## Installation Steps

### System Configuration Steps—Mac OS X Version 10.4 (Tiger) Users (continued)

3. From the Show: drop-down menu, select the Presto Gigabit PCIe Pro (identified as a PCI card), and then configure the settings, if necessary. If your computer was connected to a network using built-in Ethernet, you may not have to enter new settings; click the Apply Now button.
4. If you created new settings, or edited existing settings, click the Apply Now button.
5. Close System Preferences; if you used existing settings, 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](http://www.apple.com/support); type “network, ethernet” and “combining ethernet ports” to display various articles.

### INSTALLATION STEPS FOR WINDOWS USERS

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

#### 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 PCIe Pro into your system.

#### Software Download

Before installing the Presto Gigabit PCIe Pro card into your computer, you must download required software from the Sonnet Web site.

1. Log onto the Internet.
2. Go to <http://www.sonnettech.com/support/index.html>, and then click on the Computer Cards Software link.
3. From the Download Computer Card Software for... drop-down menu, select Driver Software (Windows) under PRESTO GIGABIT PCIe PRO.
4. Click the link for the software appropriate for the OS software running your computer (x32 for 32-bit operating systems, x64 for 64-bit versions). Depending on the OS and how your computer is configured, a new window may appear asking you what to do with the file; click Open. If another window appears asking for permission to open the file, click Allow.
5. When the window showing the contents of the .zip file appears, locate and click the Extract Files button (Vista), or select File > Extract All... from the menu (Server 2003 and XP); proceed to Card Installation Steps.

### 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 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 a twisted pair Ethernet cable to the Presto Gigabit PCIe Pro card, and then turn on your computer.

### Driver Software Installation and System Configuration Steps—Vista

1. Log in. During startup, a *Found New Hardware* window will appear, and driver software will be installed automatically.
2. Open Device Manager, and then click the + next to Network Adapters.
3. Right-click “Generic Marvell Yukon Chipset based Ethernet Controller”, and then select Update Driver Software.
4. When the *Update Driver Software* window appears, select “Browse my computer for driver software.”
5. When the next window appears, click Browse, navigate to the location where you extracted the .zip file, locate and click the GELAWinx32 (or GELAWinx64) folder, click the Windows Vista folder, and then click OK.
6. Back in the *Browse for driver software on your computer* window, click Next; the driver software will be updated automatically. When informed that the software was installed successfully, click Close.
7. Depending on your setup, Windows may configure itself to automatically enable Internet usage; launch your Internet browser application of choice and browse a Web site to verify.
8. If your system did not configure itself (or if you need to make changes to your network settings), click the Start button, and then select Control Panel > Network and Internet > Network and Sharing Center to make the necessary changes.

### Driver Software Installation and System Configuration Steps—Server 2003 and XP

1. Log in. During startup, a *Found New Hardware Wizard* window will appear; select No, not this time, and then click Next.


## Installation Steps

### Driver Software Installation and System Configuration Steps—Server 2003 and XP (continued)

- When the next window appears, select the “Install from a list or specific location” option, and then click Next.
- When the next window appears, select the “Don’t search. I will choose the driver to install” option, and then click Browse.
- In the next window, click Have Disk...
- In the *Install From Disk* window, click Browse, navigate to the location where you extracted the .zip file, and then locate and click the GELAWinx32 (or GELAWinx64) folder to view the sub-folders. Click the folder with the name of the Windows version your computer is running, click Open, select the yk51x86.inf file, and then click Open.
- Back in the *Install From Disk* window, click OK.
- Back in the *Found New Hardware Wizard* Window, click Next; the driver software will be installed. When informed that the software was installed successfully, click Finish.
- Depending on your setup, Windows may configure itself to automatically enable Internet usage; launch your Internet browser application of choice and browse a Web site to verify.
- If the Presto Gigabit card is working to your satisfaction and you do not need link aggregation support, the installation is complete.* If your system did not configure itself (or if you need to make changes to your network settings), click the Start button, and then select Control Panel > Network Connections > New Connection Wizard.

### Link Aggregation Software Installation Steps—Server 2003 and XP

- Locate and double-click the GELAWinx32 (or GELAWinx64) folder to view its sub-folders, double-click the folder with the name of the Windows version your computer is running, and then double-click the Link Aggregation folder.
- Double-click CPAwin.exe to launch the installer; when the *Marvell CPA-InstallShield Wizard* window appears, click Next.
- When presented with the license agreement, select “I accept the terms”, and then click Next.
- When the Readme information appears, click Next.
- When the next window appears, click Install; the software will be installed. When the *InstallShield Wizard Completed* window appears, click Finish.

 **Support Note:** To enable link aggregation, use Marvell Network Control (click Start > Control Panel, and then double-click Marvell Network Control).

## About the Presto Gigabit PCIe Pro Card

**LINK/ACK Indicator** - This 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.

**1000 Indicator** - This LED displays 1000BaseT (Gigabit Ethernet) connection status.

- When the *LED is on*, a *1000BaseT link is established*.

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

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

