4-Port Gigabit Ethernet PCIe

Quick Installation Guide

Introduction

The *4-Port Gigabit Ethernet PCIe* adds four 10/100/1000 Mbps Ethernet ports to your system.

Features and Benefits

- Adds a 4-port Gigabit Ethernet PCI Express adapter to your PC or Server
- Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Supports 10/100/1000Mbps data rate auto-negotiation
- Supports IEEE 802.1P Layer 2 Priority Encoding and IEEE 802.1Q VLAN tagging
- Supports Full Duplex flow control (IEEE 802.3x)

System Requirements

- Desktop computer with an available 4x PCIe slot
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000
- MAC® OS X 10.5.x or newer

Package Contents

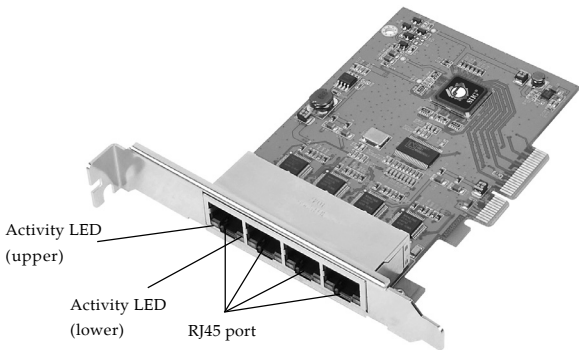- *4-Port Gigabit Ethernet PCIe*
- Driver CD
- Quick installation guide

Layout

Activity LED
(upper)

Activity LED
(lower)

RJ45 port

Figure 1 Layout

LED Indicators

Two LEDs to monitor your network link speed:

• **Activity LED (upper):**
   Blinking green light: 10 Mb/s or 100 Mb/s
   network connection and network activity

• **Activity LED (lower):**
   Blinking orange light: Gigabit (1000 Mb/s)
   network connection and network activity

Hardware Installation

The design of computer cases and motherboards vary, refer to your computer's reference manual for further information if needed.

Discharge any static electricity build up in your body by touching your computer case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer.
2. Unplug the power cord, remove the computer cover.
3. Remove the slot bracket from an available PCI Express slot.
4. Carefully align the card to the selected PCI Express slot, push the board down firmly, but gently, until it is well seated.
5. Replace the slot bracket holding screw to secure the card.
6. Replace the computer cover and reconnect the power cord.

Windows Installation

Install the board and boot up Windows, then follow the instructions below to install the *4-Port Gigabit Ethernet PCIe* drivers.

> **Note**: Some Windows OSes will automatically search preconfigured driver folder for the proper driver, this process may take several minutes to complete. Do not interrupt this process.

Windows 8 (32-/64-bit) / Windows 7 (32-/64-bit) / Server 2008 R2

1. Insert the driver CD. Close the CD autoplay window if prompted.
2. Click **Windows** key and **R**.
   For Windows 8: Type **D:\Windows\Win 8\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD-ROM drive letter)
   For Windows 7 / Server 2008 R2: Type **D:\Windows\Win7_2008R2\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD- ROM drive letter)

3. At the **User Account Control**, click **Yes**. For Server 2008 R2, skip this step.
4. At **Welcome**, click **Next**.
5. At **Ready to install the program**, click **Install**. Skip this step if not prompted.
6. Please wait while the driver install process continues.
7. Click **Finish** to complete the installation.

Windows Vista (32-/64-bit) / Server 2008 (32-/64-bit)

1. Insert the driver CD. Close the CD autoplay window if prompted.
2. Click **Start**, **Run**, type **D:\Windows\Win Vista_2008\setup.exe**, then click **OK**. Or at the Start search box, type **D:\Windows\ Win Vista_2008\setup.exe**, then press **Enter**. (Change **D:** to match your CD\DVD-ROM drive letter)
3. At the **User Account Control**, click **Continue**. For Server 2008, skip this step.

4. At **Welcome**, click **Next**.
5. Click **Install**. Skip this step if not prompted.
6. Please wait while the driver install process continues.
7. Click **Finish** to complete the installation.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit) / 2000

1. Click **Cancel** at the **Found New Hardware**. Skip this step if not prompted.
2. Insert the driver CD, close the CD autoplay window if prompted.
3. Click **Start**, **Run**, type **D:\Windows\Win 2K_XP_2003\setup.exe**, click **OK**. (Change **D:** to match your CD\DVD- ROM drive letter)
4. At **Welcome**, click **Next**.
5. Click **Install**. Skip this step if not prompted.
6. Click **Finish** to complete the installation.

To Verify Windows Installation

1. Go to Device Manager to verify installation.
   For Windows 8 / 7 / XP / Server 2003 / 2008R2 / 2000: Right click **Computer** or **My Computer**, click **Manage**, then **Device Manager**.

   For Windows Vista: Right click **Computer**, click **Manage**, **Continue**, then **Device Manager**.

   For Windows Server 2008: Right click **Computer**, click **Manage**, double click **Diagnostics**, then click **Device Manager**.

2. Double click **Network adapters**, either **Realtek PCIe GBE Family Controller** or **Realtek RTL... PCI-E Family Gigabit Ethernet...** should be displayed four (4) times.

Mac OS Installation

1. Install the board and boot up the computer.
2. Insert the driver CD, then double click the **MAC OS X** folder.
3. Double click **10.5.x**, **10.6.x** or **10.7.x** folder, then double click **RTGNICv2.0.6.mpkg**.
4. At **Introduction**, click **Continue**.
5. At **Read Me**, click **Continue**.
6. At **License**, click **Continue**, click **Agree**.
7. At **Installation Type**, click **Change Install Location** if you want to change the default saving folder; otherwise, click **Install**.
8. Type in Name and Password, click **OK** or **Install Software**.
9. Click **Continue Installation**, then click **Restart** to restart the computer.

To Verify Mac OS Installation

1. Click **System Preference**, then click **Network**.
2. At **New Interface Deteced**, click **OK**. Skip this step if not prompted.

3. After the driver is succesfully installed, the card is ready for use. The bullet before **PCI Ethernet...** should be green, see **Figure 2**.

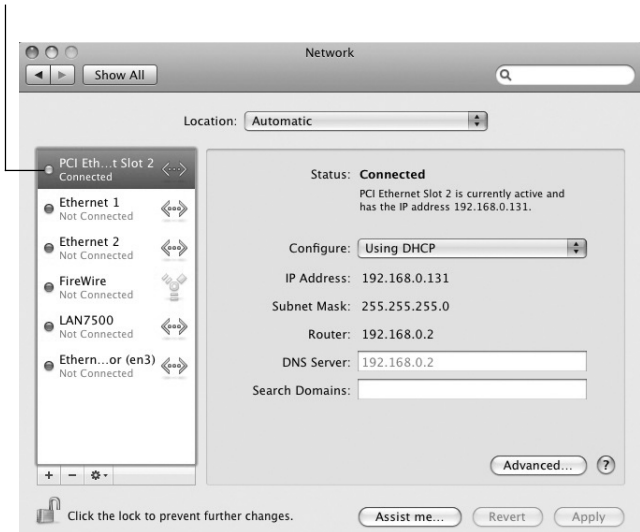Green bullet stands for successful driver installation.

Figure 2

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at *www.siig.com* and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for three (3) years from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow the steps below to have the product repaired or replaced.

>   **Step 1:** Submit your RMA request.
>
>   Go to **www.siig.com**, click **Support**, then **REQUEST A PRODUCT REPLACEMENT** to submit a request to SIIG RMA or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.
>
>   **Step 2:** After obtaining an RMA number, ship the product.
>   - Properly pack the product for shipping. All accessories that came with the original package must be included.
>   - Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
>   - You are responsible for the cost of shipping to SIIG. Ship the product to the following address:
>
>   **SIIG, Inc.**
>   **6078 Stewart Avenue**
>   **Fremont, CA 94538-3152, USA**
>   **RMA #:** _____
>
>   - SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.