Network Adapter

10/100/1000 Mbps PCI Ethernet Card

ST1000BT32

Installation Guide

Actual product may vary from photo

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com 110/100/1000 Mbps PCI Ethernet Card. Featuring Auto-Negotiation capability and support for data transmission bandwidth up to 2000Mbits/sec, the card is easy to install and set up, and is fully Plug and Play compatible in a wide range of operating environments.

Features

- Automatically configures IRQ and I/O addresses

- Two LEDs indicate network link/activity and 10/100 or 1000Mbps selection.

- Supports 32-bit PCI Bus Master for high performance and low processor utilization

- Supports early interrupt on transmit for increased performance

- Supports 32-bit 33/66MHz PCI Local Bus Master for high-speed operation

Before You Begin

System Requirements

- An IBM compatible notebook computer with a Pentium-based processor

- An open PCI slot

- One of the following operating environments: Windows Vista/XP/ME/2000/98, Windows NT, Linux, NetWare 3.x/4.x, Lan Manager, TCP/IP software

Contents

This package should contain:

- 1 x PCI Ethernet Adapter card

- 1 x Driver disk

- 1 x Installation Guide

Installation

Installing the Network Card

WARNING! PCI cards, like all computer equipment, can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case or touching your PCI card. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also be careful to handle the PCI card by its edges and not the gold connectors.

1. Shut down all power connected to the computer, as well as all devices connected to the computer peripherally (i.e. Printers, Monitors, Scanners etc.). As an added step to ensure safe installation, unplug the power supply from the computer.

2. Remove the computer cover. For more detailed instruction on how to perform this step, please refer to the documentation that was included with your computer at the time of purchase.

3. Locate an empty PCI slot, removing the metal bracket covering the accompanying empty port/socket.

4. Position the serial card above the open PCI slot, ensuring that the card is aligned with the entire slot. Insert the card firmly into the slot, distributing force evenly across the length of the board. Once inserted, secure the card into the adjoining socket (previously covered by metal bracket), using the correct size screw (please consult documentation that accompanied purchase of computer).

5. Replace the computer cover and re-connect all power to the computer.

Connecting Your Card to a Network

Depending on how you are planning on using the card, the device you are connecting it to and the type of cable you need may differ. To ensure maximum bandwidth capacity, it is recommended that you always use at least Category 5 Ethernet cable. If you are unsure of the type of cable required for your device, consult your device manufacturer.

NOTE: StarTech.com carries a wide range of Ethernet cables in various colors and lengths. For more information on these products, as well as tips and ideas for setting up and running your network, visit http://www.startech.com and click on the Networking tab near the top of the screen.

• If you are connecting your computer directly **to another computer**, you need to use a **crossover** cable.

• If you are connecting your computer to a **hub or switch**, you should use a **straight-through** cable.

• If you are connecting your computer to the **Internet** via a DSL or cable modem, you should use the cable recommended by the modem manufacturer.

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Installing the Drivers

NOTE: Windows Vista/XP/2000 will automatically detect the new hardware and install the necessary drivers without any user input.   If you are asked to specify a location where the driver can be found, please specify:

Windows 2000: F:\LAN\Rtl8169_8169S(B)_8110S(B)\Win2K
Windows XP: F:\LAN\Rtl8169_8169S(B)_8110S(B)\WinXP
Windows NT: F:\LAN\Rtl8169_8169S(B)_8110S(B)\WinNT

Please note: F:\ denotes the drive letter assigned to your CD

The following are installation instructions for **Windows OS only**. If you are using Linux, Netware, or any other supported environment, consult the driver installation instructions available in the most recent driver download folder, available by locating ST1000BT32 on our website, http://www.startech.com, and clicking **Downloads**. Please note that the instructions that appear on your screen might not be identical to the instructions below, but will be similar.
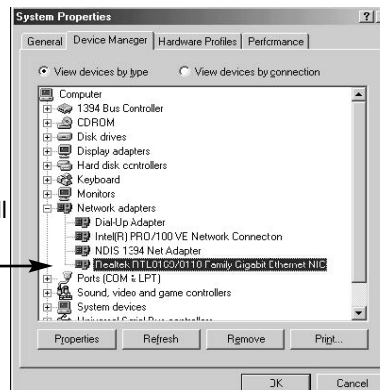
Windows 98/ME

Once the card has been secured on the motherboard, power on the computer.

1. Windows will automatically detect the new hardware. Click **Next**.

2. Choose **Driver from disk provided by hardware manufacturer**, and direct Windows to the folder where the most recent drivers have been saved.

3. Follow any additional on-screen prompts and reboot your computer to complete the installation process.

Verifying driver installation

To verify that the drivers have successfully been installed, right-click on **My Computer**, and select **Manage**. In the left-most column of the next screen (**Computer Management**), click on **Device Manager**. In the right-most column, click on the [+] symbol located next to **Network Adapters**, which will expand the Network Adapters listing, detailing the devices that are installed ——

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Monitoring Your Card

The LEDs on the front of the card are the best indication of the card's activity:

LED	Color	State	Indication
1000/ACT	Green	On	Connection at 1000Mbps
		Flashing	Sending/Receiving Data
100/ACT	Green	On	Connection at 100Mbps
		Flashing	Sending/Receiving Data

Tips for Setting Up Your Network

For information and help on setting up your network, please consult the manufacturer of your operating system. The following section details troubleshooting steps only and is intended for Microsoft users on a local area network.

Make sure your computers are configured properly

For your convenience, you should configure each of your computers so that they can "see" each other and share devices and files. To do this, you have to make sure that the following have been installed on your computers:

- Client for Microsoft Networks

- TCP/IP (Internet Protocol)

- File and Print Sharing

These clients, protocols, and services can be found in the following locations:

Windows Vista

1. From the **Control Panel**, click on **Network and Sharing Center**.

2. Click **Manage Network Connections**.

3. Right-click on **Local Area Connection** and choose **Properties**.

Windows XP

1. Click on **Start**, then click **My Network Places**.

2. Click **View Network Connections** in the Network Tasks box.

3. Right-click on **Local Area Connection** and choose **Properties**.

Windows 2000

1. Click on **Start**, then **Settings**, then **Network and Dialup Connections**.

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2. Double-click **Local Area Connections** and click the **Properties** button.

Windows Me/98

1. Click on **Start**, then **Settings**, then **Control Panel**.

2. Double-click on **Network**.

NOTE: If you need to add any of the following components, check your Windows documentation for details.

Make sure all your computers are on the same workgroup

To be able to communicate properly with each other, each computer must be located on the same workgroup. Each computer within a workgroup must have a unique name. To ensure compatiblility between each version of Windows, keep your computer names under 13 characters long.To view, add, or edit your computer's name, do the following:

Windows XP

1. Click **Start** and then **Control Panel**.

2. Double-click **System** then click on the computer name tab.

Windows 2000

1. Click on **Start**, then **Settings**, then **Control Panel**.

2. Double-click on **System**.

3. Click on the **Network Identification** tab.

Windows ME/98/

1. Click **Start**, then **Settings**, then **Control Panel**.

2. Double-click **Network**, then click the **Identification** tab.

Make Sure Your Sharing is Set Up Properly

1. Go to your network dialog box using the procedure explained under "Make sure your computers are configured properly."

2. Click on **File and Print Sharing**.

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3. Choose whether you want to install one, both, or neither of these options. Click **OK**.

4. Decide what files or folders you want to share. You can call up sharing options by right-clicking on a file or folder and choose "Sharing" (Windows 2000/Me/98) or "Sharing and Security" (Windows XP).

NOTE: If you are having **any** difficulties setting up or using your network, please contact your operating system vendor.

Specifications

Bus Type	PCI
Form Factor	Standard Profile
Connectors	1 x RJ45 Port
Maximum Data Transfer Rate	1000Mbps (2000Mbps - Full-Duplex)
Chipset	Realtek RTL8110sC
Regulatory certifications	FCC, CE, ROHS

Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit www.startech.com for cables or other accessories that will help you get the best performance out of your new product.

M45PATCH3BL
3 ft Blue Molded Category 5e (350 MHz) UTP Patch Cable

M45PATCH6BL
6 ft Blue Molded Category 5e (350 MHz) UTP Patch Cable

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