

NETWORK ADAPTER

10/100 Mbits/sec PCI Ethernet Network
Card

ST100S
ST100SW
ST100SLP

Instruction Guide



* Actual product may vary from photo

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The Professionals' Source For Hard-to-Find Computer Parts

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 10-100 Mbps/sec PCI Ethernet card. This reliable, high speed network card lets you connect your computer to your Ethernet LAN and experience super-fast transfer speeds of up to 100Mbps/sec. Full duplex support means that the card can simultaneously transmit and receive information at these high speeds. The card is a snap to install and set up and is fully Plug and Play compatible in a wide range of operating environments.

Features

- Complies with 10BaseT Ethernet and 100BaseTX Fast Ethernet standards
- Capable of full- and half-duplex communications
- Complies with Plug and Play specifications
- Auto-negotiation function determines the optimal transmission rate
- Supports 32-bit PCI Bus Master for high performance and low processor utilization
- Backed by StarTech.com's lifetime warranty

Before You Begin

To ensure a quick and easy card installation, please read through this section carefully before attempting to install the card.

System Requirements

- An IBM compatible notebook computer with a Pentium processor
- An open PCI slot
- One of the following operating environments: Windows XP/ME/2000/98/95, Windows NT, Linux, NetWare 3.x/4.x, Lan Manager, TCP/IP software
- **ST100SW ONLY:** To take advantage of the Wake-On-Lan feature, your motherboard must be equipped with ACPI/Wake-On-Lan capabilities. Consult your motherboard user guide or contact the manufacturer for information.

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.

Contents

This package should contain:

- 1 x PCI Ethernet Adapter card
- 1 x driver disk

Installation

This section will guide you through the installation of your card and the related software. Please read through the instructions carefully and complete each step in the order listed.

Installing the Card

1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system (see your computer's user manual for details, if necessary) and gently turn your computer onto its side.
3. Locate an empty PCI slot (usually white in colour) and remove the metal plate that covers the rear bracket. You may need a Phillips screwdriver to perform this step. **Hang on to the screw!** You will need it to secure the card later.
4. Gently insert the card into the empty slot, making sure it is firmly seated.
5. Secure the card in place using the screw you removed in Step 3.
6. **(ST100SW ONLY)** Connect the Wake-On-LAN (WOL) connector to the WOL plug on your motherboard. Consult your motherboard user guide for information, if necessary.
7. Put the computer case back on.

Connecting Your Card to Your 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 take advantage of the NIC's 100 Mb/s/sec 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.

Installing the Drivers

NOTE: Windows XP will automatically detect the new hardware and install the necessary drivers without any user input.

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 text form on the driver disk.

The most recent drivers for your Ethernet adapter are available as a free download from our website. Visit www.startech.com and click on the **Downloads** link for information. Depending on your version of Windows and the configuration of your system, the instructions that appear on your screen might not be identical to the instructions below.

Windows 2000/ME/98

1. Windows will automatically detect the new hardware. Click **Next**.
2. Choose "Driver from disk provided by hardware manufacturer".
3. Insert the driver disk into your disk drive and specify the following path (where "A:\\" is the location of your driver disk):
 - Windows 2000: **A:\WIN2000**
 - Windows ME: **A:\WINME**
 - Windows 98: **A:\WIN98**
4. You may be required to insert your Windows installation disk. Follow the remaining prompts and reboot your computer when prompted.

Windows 95

1. Windows will automatically detect the new hardware. Click **Next**.
2. Select “Driver from disk provided by hardware manufacturer.”
3. Insert the driver disk into your disk drive and specify the following path (where “A:\” is the location of your driver disk):

- **A:\WIN95**

Windows NT 4.0

1. From your **Control Panel**, double-click on the **Network** icon.
2. Choose **Add Adapters** and select “<Other> Requires disk from manufacturer.”
3. Insert the driver disk into your disk drive and specify the following path (where “A:\” is the location of your driver disk):
 - **A:\WINNT4**
4. The “Select line speed” dialog box will appear. The default is “Auto”, where the adapter will auto-detect the line speed. You can choose to set the value to 10 (half- or full-duplex) or 100 (half- or full-duplex) Mbps if you so choose.
5. The “Input Ethernet ID” dialog box will appear. This option is only required if you have more than one Fast Ethernet adapter on the computer. Choose “Skip” if you have only one adapter installed. If you are adding more than one Fast Ethernet Adapters, consult the Msnt.txt file located in the Txt\Ms folder for additional instructions.
6. The “Bus Location” dialog box will appear. If your machine contains more than one hardware bus, please select the Bus Type and Bus Number where the network adapter is installed.
7. Follow any additional on-screen prompts and reboot your computer to complete the installation process.

Monitoring Your Card

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

LED	Color	Status	Description
10M / Link / Activity	Yellow	On Blinking	Card is in 10Mbps / sec mode Network activity
100M / Link / Activity	Green	On Blinking	Card is in 100Mbps / sec mode Network activity

If neither Link / Activity LED is lit, there is a connection error. Make sure that all devices are turned on and that the network cable is properly connected at both ends. Also make sure that your network cables comply with EIA / TIA 568 and Category 5 specifications.

If problems persist, power down all devices and disconnect all plugs. Wait at least ten seconds then plug the devices back in and power them up.

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 is for tips and troubleshooting purposes 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 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**.
2. Double-click **Local Area Connections** and click the **Properties** button.

Windows Me/98/95

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 compatibility 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/98/95

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**.
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/98/95) 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.

Technical Support

The following technical resources are available for this StarTech.com product:

On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, **www.startech.com**. In the tech support section there are a number of options that can provide assistance with this card.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help: **1-519-455-4931**

Support hours: Monday to Friday 9:00AM to 5:00PM EST (except holidays)

Warranty Information

This product is backed by a one-year warranty. In addition StarTech.com warrants its products against defects in materials and workmanship for the periods noted below, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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