

# PCI Parallel Card

1 Port High-Speed EPP/ECP Parallel Card

PCI1P  
PCI1PECP3V

Instruction Manual



Actual product may vary from photo

**StarTech.com**

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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## Table of Contents

|   |          |
|---|----------|
| <b>Introduction</b> .....                         | <b>1</b> |
| <b>Before You Begin</b> .....                     | <b>1</b> |
| System Requirements .....                         | 1        |
| Contents .....                                    | 1        |
| <b>Installation</b> .....                         | <b>2</b> |
| Installing the Card .....                         | 2        |
| Installing the Drivers .....                      | 2        |
| DOS and Linux Configuration .....                 | 2        |
| Verifying Your Installation (Windows) .....       | 3        |
| <b>Troubleshooting</b> .....                      | <b>4</b> |
| <b>Specifications</b> .....                       | <b>5</b> |
| <b>Accessory Products from StarTech.com</b> ..... | <b>6</b> |
| <b>Technical Support</b> .....                    | <b>7</b> |
| <b>Warranty Information</b> .....                 | <b>7</b> |

## Introduction

Thank you for purchasing a StarTech.com parallel PCI card. Now you can add a parallel port to your computer that offers easy Plug and Play setup and performance that is several times faster than many built-in ports. Perfect for printers, scanners, multi-function peripherals and other demanding parallel devices, it is the perfect way to support existing hardware on new computers or expand the versatility of an existing computer.

## Features

- Fully complies with the IEEE-1284 standard and supports BPP, SPP, EPP, and ECP data transfer modes
- Fast data transfer rates often outperform built-in parallel ports
- Complies with Plug and Play standards
- 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.

**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.

## System Requirements

- A computer with an available PCI slot (the PCI1P requires a standard 5v PCI slot; the PCI1PECP3V works in 5v slots and 3.3v PCI-X slots)
- Minimum Operating System Requirements: Windows 95/98SE/ME/2000/XP/2003 or later, DOS, Linux

## Contents

This package should contain:

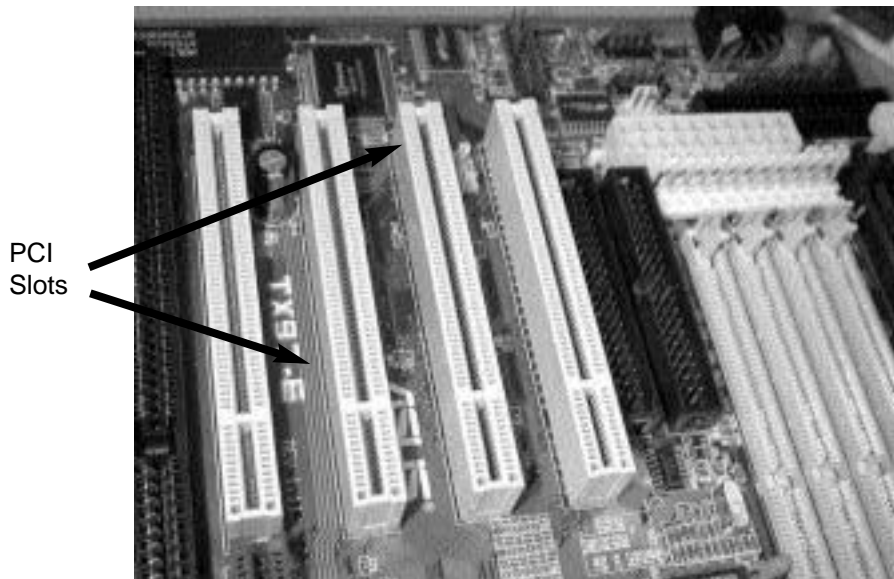
- 1 x PCI parallel card
- 1 x Installation CD
- 1 x Instruction Manual

## Installation

This section will guide you through the installation of your PCI 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 color) and remove the metal plate that covers the rear bracket. You may need a Phillips screwdriver to perform this step.



**Retain 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. Put the computer case back on.

### Installing the Drivers

If you lose your driver disk, these drivers are available as a free download from our website. Visit [www.startech.com](http://www.startech.com) and click on the Downloads link for more information.

#### Windows 95/98/98SE/ME

1. Windows should automatically detect the new hardware. At the **Add New Hardware Wizard** window, click **Next**.

2. Select **Search for the best driver for your devices (Recommended)** and click **Next**.
3. Insert the installation CD into your computer's CD-ROM or other optical drive and check the **Specify a location** option.
4. In the space provided, enter **x:\io\pci io\win9x** (where "x:" is the letter of your CD-ROM drive--noting the space between "pci" and "io"--and **win9x** is your OS version: one of **win95, win98, winME**) and click **Next**.
5. The Wizard will copy the needed files. Follow the on-screen prompts to complete the installation. If prompted, restart the computer to begin using your devices.

#### **Windows 2000/XP/2003**

1. Windows will automatically detect the new hardware and start the **Add New Hardware Wizard**. Click **Next**.
2. Insert the installation CD that came with the card into your computer's CD-ROM or other compatible optical drive. Choose **Install the software automatically**. Click **Next**.
3. You may receive a warning that the driver is not digitally signed. Choose **Continue Anyway** when prompted to complete the installation.
4. When Windows is done copying files, you will see a message above the System Tray (next to the clock) stating that the card is installed and ready to use. You may now begin using your devices.

#### **Windows NT 4.0**

1. Insert the installation CD into your computer's CD-ROM or other optical drive and double-click **My Computer**.
2. Double click these folders in the following order: **IO > PCI IO > WinNT**. Double-click the **setup.exe** file and follow the on-screen prompts.

#### **DOS and Linux Configuration**

For configuration details for DOS and Linux-based computers, please refer to the documents in the following folders on the installation CD:

DOS: \io\pci io\DOS  
Linux: \io\pci io\Linux

#### **Verifying Your Installation (Windows)**

##### **Windows 95/98/98SE/ME**

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab.
4. If the card and related components do not appear with a red **x** or yellow exclamation point (!) next to them, Windows has not detected a problem with the installation and

the card should function normally.

### Windows 2000/XP/2003

1. Go to **Start > Settings > Control Panel**.
2. Double click **System**.
3. Click the **Hardware** tab and choose **Device Manager**.
4. If the card and related components do not appear with a red **x** or yellow exclamation point (!) next to them, Windows has not detected a problem with the installation and the card should function normally.

## Troubleshooting

**Q:** Do these cards work with point-of-sale (POS) systems, manufacturing equipment, software unlock keys, and other specialized applications?

**A:** The answer depends on whether the devices you need to use are designed to work with specific system resources. Because StarTech.com PCI parallel cards are designed to work with the Plug and Play standard, the computer allocates the resources needed to use the card in cooperation with the operating system (OS). Some software applications and devices can only access a parallel port using older reserved, pre-defined resources (for example, LPT1 at memory address 378 and an IRQ setting of 7). Consult your documentation to see if the software and/or hardware you are using has this requirement. If so, you will not be able to use a PCI parallel card. Instead, you can use an ISA-based card like StarTech.com's ISA1P that can be hard-configured to use a specific setting. Check the documentation for your computer or motherboard to see if you have the necessary ISA slot(s) for this solution.

**Q:** I need to add several parallel ports to my computer, but I am having problems when I have more than three parallel ports installed in my computer. Why?

**A:** While Windows will support more than three parallel ports (up to nine in total), LPT4 through LPT9 must be configured by editing critical system files, a task that should be undertaken by experienced users only. Microsoft offers support on how to make those modifications.

**Q:** I have installed the card, it is assigned a LPT port number and appears without any warnings in Device Manager, but it does not appear as an option when I attempt to install or re-configure a printer to the port. How can I correct this?

**A:** You can manually install the port(s) so they are available to printers, using the following instructions:

1. On the opening screen of the Add Printer Wizard, click Next.

## Instruction Manual

2. Choose Local Printer and uncheck Automatically detect and install my Plug and Play printer. Click Next.
3. Choose Create a new port and select Local Port from the Type: drop-down list. Click Next.
4. A dialog box will appear that prompts you to enter a name for the new port. Type **LPTx** in the box (where "x" is the number assigned in Device Manager to the port you are adding, without a colon). Click OK.
5. Continue the rest of the printer installation process, following the on-screen prompts.

**Q:** I am having trouble printing using a port on the PCI parallel card, but the card and printer seem to be installed correctly. How can I fix this problem?

**A:** Some older printers may have drivers that may have difficulty working with virtual ports, since they do not use specific hardware resources. To test whether this is the case, you can try installing a newer printer on the problem port. If it prints correctly, then it is likely a software problem: download the most current drivers from the Web site of the printer manufacturer to see if that corrects the issue. If not, move the printer to a built-in printer port permanently and use a newer printer with the port(s) on the PCI card. If that is not possible, you can use an ISA-based card like StarTech.com's ISA1P that can be hard-configured to use a specific setting. Check the documentation for your computer or motherboard to see if you have the necessary ISA slot(s) for this solution.

**Q:** Is the PCI parallel card Mac compatible?

**A:** No. It is designed to be used with Intel and compatible-based computers only.

## Specifications

|                                     |  |
|-------------------------------------|--|
| Interface:                          | Standard PCI 5v (PCI1P)<br>Standard PCI 5v or PCI-X 3.3v (PCI1PECP3V)<br>Full profile card |
| Maximum Data Transfer Speed         | 2.7 Mbits/sec.   |
| Number/Type of Ports                | 1 x 25-pin female parallel   |
| Standards Supported:                | IEEE-1284 (BPP, SPP, EPP, ECP modes)   |
| Chipset                             | Sunix 1888   |
| Regulatory and Other Certifications | FCC Class B, CE, UL  |

## Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit [www.startech.com](http://www.startech.com) for cables or other accessories that will help you get the best performance out of your new product.

6 ft. Straight Through Serial/Parallel Cable DB25 M/F  
**SC6MF**

6 ft. Straight Through Serial/Parallel Cable DB25 M/M  
**SC6MM**

10 ft. Straight Through Serial/Parallel Cable DB25 M/F  
**SC10MF**

10 ft. Straight Through Serial/Parallel Cable DB25 F/F  
**SC10FF**

10 ft. Straight Through Serial/Parallel Cable DB25 M/F  
**SC10MF**

20 ft. Straight Through Serial/Parallel Cable DB25 M/F  
**SC20MF**

20 ft. Straight Through Serial/Parallel Cable DB25 M/M  
**SC20MM**

50 ft. Straight Through Serial/Parallel Cable DB25 M/M  
**SC50MM**

6 ft. Parallel Printer Cable  
**PB6\_**

10 ft. Parallel Printer Cable  
**PB10**

20 ft. Parallel Printer Cable  
**PC20**

30 ft. Parallel Printer Cable  
**PC30**

50 ft. Parallel Printer Cable  
**PC50**

6 ft. Parallel File Transfer Cable  
**PTXFER6**

15 ft. Parallel File Transfer Cable  
**PTXFER15**



## 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](http://www.startech.com). In the tech support section there are a number of options that can provide assistance with this product.

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:

**USA/Canada:** 1-800-265-1844

**UK/Ireland/Europe:** 00-800-7827-8324

*Support hours: Monday to Friday 8:30AM to 6:00PM EST (except holidays)*

## Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, 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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