

# USB 2.0 PCI Card

2 Port USB 2.0 PCI Card

2 Port USB 2.0 PCI Card (with Low Profile bracket)

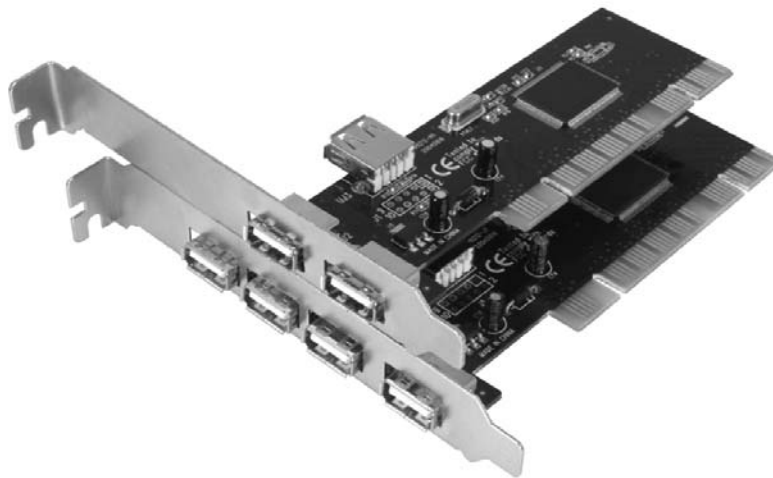
4 Port USB 2.0 PCI Card

**PCI220USB**

**PCI220USBLP**

**PCI420USB**

**Instruction Manual**



Actual product may vary from photo

**StarTech.com**

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

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## **Introduction**

Thank you for purchasing a StarTech.com USB 2.0 PCI card. This PCI expansion card will enable you to add highspeed USB 2.0 ports to your computer, and provide data transfer speeds up to 480 Mbps. Now, you can easily connect and use high-performance USB peripherals like DVD drives, video conferencing cameras, or high resolution scanners. Plus, USB 2.0 is also backwards-compatible with USB 1.0/1.1, meaning your existing peripherals will still function perfectly with no additional configuration required.

## **Features**

- Maximum data transfer rate of 480Mbps and backward compatible with USB 1.1 12Mbps
- Compliant with USB Specification Revision 2.0
- Compliant with OHCI Specification for USB Rev 1.0a
- Compliant with PCI Specification release 2.2
- Supports Win98SE, ME, 2000 & XP

## **Before you Begin**

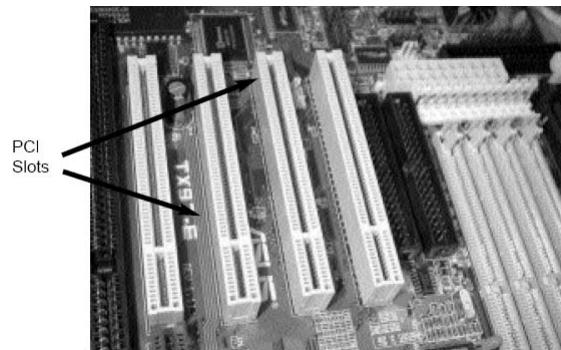
### **Contents**

- USB PCI Card (1)
- Low Profile PCI USBCard (1 - PCI220USBLP only)
- Instruction Manual (1)
- Driver CD (1)

### **System Requirements**

- Minimum operating system requirement: Windows 98SE / ME / 2000 / XP or later
- Pentium class computer with an available PCI slot

## Installation



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, so that the PCI expansion slot openings on the motherboard are facing upwards.
3. Locate an empty PCI slot (usually white in color) and remove the metal plate that covers the corresponding 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. Replace and secure the computer cover.

## Installing the Drivers

### Windows 98SE/ME

1. Insert the installation CD that came with the card into your CD-ROM or other optical drive.
2. Execute the setup program by double clicking on the **SETUP.EXE** file, located in the **D:\VIA\VT62X2** folder of the Driver Installation CD (Assuming your CDROM drive is Drive D).
3. Once the setup program launches, select **Install USB Driver** and press the **Next** button.
4. Follow the setup program instructions and prompts, in order to finish installing the EHCI drivers. Once the drivers are installed, you will be required to restart Windows.
5. Once your system reboots, go to **Start > Control Panel > System**. Click on the tab marked **Hardware**, then click on the button marked **Device Manager**. Under Universal

Serial Bus Controllers, you should notice a listing for the newly installed EHCI drivers. Please note that following the hardware installation, but prior to the software installation, a yellow question mark will appear next to **VIA Tech 3038 PCI to USB Universal Host Controller item**. Upon successful completion of the drivers, this question mark will disappear. If the question mark is still present, please re-initiate the software installation process.

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

**Please note:** Microsoft Windows 2000, XP and 2003 natively support the USB interface. As such, Windows will be able to locate and install the necessary files, providing that your operating system is updated with the most current software revisions.

If Windows appears to have difficulty in automatically choosing the necessary drivers, the following updates will be required, prior to using the card:

**Windows XP** - Service Pack 1 (SP1)

**Windows 2000** - Service Pack 4 (SP4) or above

For more detailed information on how to attain the necessary updates, please consult any documentation that was included with your operating system purchase.

## **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.

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### **ST4200USB**

4 Port USB 2.0 Hub

### **ST7200USB**

7 Port USB 2.0 Hub

### **USB2HAB6**

6 ft. High Speed Certified USB 2.0 Cable

### **USB2HAB10**

10 ft. High Speed Certified USB 2.0 Cable

### **USB2HAB15**

15 ft. High Speed USB 2.0 Cable

### **USB2HAB6T**

6 ft. Transparent USB 2.0 Cable A-B M/M

### **USB2HAB10T**

10 ft. Transparent USB 2.0 Cable A-B M/M

### **USB2HAB15T**

15 ft. Transparent USB 2.0 Cable A-B M/M

## Specifications

|                                   |                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bus Type</b>                   | PCI 5V                                                                                                                                                                   |
| <b>Connectors</b>                 | <b>PCI220USB(LP):</b> 2 External USB Type A Female<br>1 internal USB Type A Female<br><br><b>PCI420USB:</b> 4 External USB Type A Female<br>1 Internal USB Type A Female |
| <b>Maximum Data Transfer Rate</b> | 480 Mbps                                                                                                                                                                 |
| <b>Chipset</b>                    | VIA VT6212L                                                                                                                                                              |
| <b>OS Support</b>                 | Windows 98SE / ME / 2000 / XP or later                                                                                                                                   |
| <b>Product Dimensions</b>         | <b>PCI220USB:</b> 127 x 120 x 20 mm<br><b>PCI220USBLP:</b> 140 x 81 x 36mm<br><b>PCI420USB:</b> 127 x 120 x 20 mm                                                        |
| <b>Product Net Weight</b>         | <b>PCI220USB:</b> 40g<br><b>PCI220USBLP:</b> 45g<br><b>PCI420USB:</b> 45g                                                                                                |

## Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit [www.startech.com/support](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## 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, 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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