PCI Express Serial Card

4 port PCI-E 16C950 Serial Card

PEX4S950

Instruction Manual

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 4 port PCI Express 16C950 Serial Card. Following simple installation, you will now be able to add four RS-232 ports for connections to card readers, printers, scanners and more, while requiring only a single PCI Express slot.

Features

- Fully compatible with 16C550 type devices

- High performance 16C950 UART channel

- Maximum data transfer rate of 115.2Kbps

Before you begin

System requirements:

- A PC with an available PCI Express slot

- Operating system requirement: Windows 2000 / 2003 32-bit or 64-bit / WindowXP 32-bit or 64-bit / Vista / Vista 64-bit, or Linux

Package contents:

This package should contain:

- 1 x PCI Express Serial Card

- 1 x Four Port Breakout Cable

- 1 x Instruction Manual

- 1 x Driver CD

Installation

⚠️ **WARNING!** PCI Express 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 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 card by its edges and not the gold connectors.

Hardware Installation

1. 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.

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

3. Position the card above the open PCI Express slot, ensuring that the card is properly aligned with the 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.

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

Software Installation

1. Power on the host computer, and wait for the operating system to fully boot. Once it does, the added card will be detected and you will be prompted to provide the necessary drivers.

2. Insert the Driver CD that was included with PEX4S950 into the CD/DVD-ROM drive.
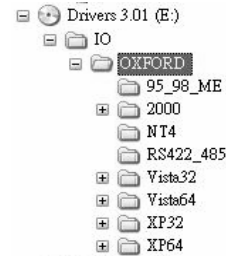
Please note: When installing the software for PEX4S950, ensure that you browse to the correct operating system folder. Allowing Windows to search for the file may result in the incorrect file being installed, as the Driver CD contains several versions of the necessary software.

3. When the **Found New Hardware Wizard** is displayed, please select **Install from a list or specific location (Advanced)** and click **Next**.
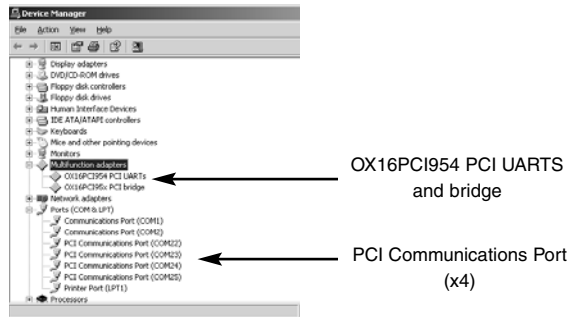
Software Installation cont'd

4. Select **Include this location in the search**, then click on **Browse** to specify the exact file location (E:\IO\OXFORD\NT4 etc.) and click **Next** to continue. Please note that if the exact file is not selected, an installation conflict could occur. Please pay particular attention to the folder name, when browsing to the destination file.

5. Click **Next** to continue and click **Finish** to complete the installation.

6. Right-click on the **My Computer** icon, and select **Manage**. Choose **Device Manager** (in the left pane), and double-click on **Ports** (in the right pane).

7. Right-click on one of the newly added ports, and choose **Properties**. Click on the **Data rate** tab, then click on **Detect Crystal Frequency**. Click **OK** to save this setting.

8. You will be required to complete steps 1-7 multiple times in order to install all necessary components. Please do so. Once complete, a message balloon will appear in the taskbar (normally the bottom right corner of the screen), indicating that installation is complete:

9. To confirm that all of the necessary components have successfully been installed browse to the Device Manager. To perform this step, right-click on **My Computer** and select **Manage**. In the left pane of the **Computer Management** window that appears, click on **Device Manager**. In the right pane, you should see the following:

OX16PCI954 PCI UARTS and bridge

PCI Communications Port (x4)

10. Installation is now complete. You can now connect serial devices as desired, to the ports provided by the card.

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Specifications

Regulatory Certifications	ROHS, FCC, CE
Bus Type	PCI Express
Connectors	1 x DB44 Pin Female Connector
Maximum Data Transfer Rate	115.2 Kbps
OS Support	WINDOWS 2000/XP and XP 64-bit/Vista and Vista 64-bit / Linux

Technical Support

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