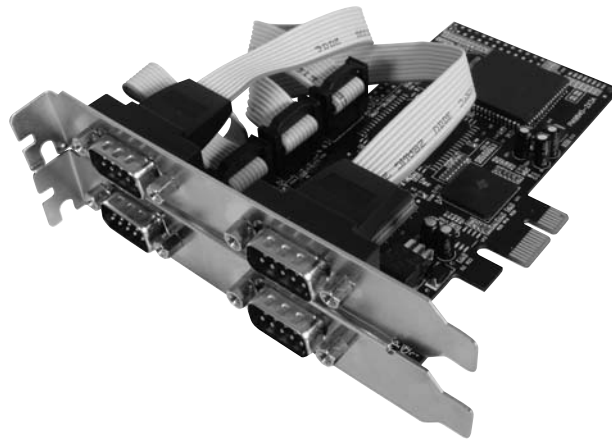


# PCI Express Serial Card

## 4 Port PCI Express Serial Card

PEX4S550

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 PCI Express Serial card. Using an available 1x PCI Express slot, you can add four serial ports for a reliable connection to peripherals. Plus, with the convenience of IRQ sharing you won't have to worry about wasting system resources or having to deal with device conflicts.

### Features

- Supports data transfer rates of up to 115 Kbps
- 16 byte FIFO buffer ensures fast data transfers while multitasking
- IRQ sharing saves resources and eliminates conflicts

### Before you begin

#### System Requirements:

- PCI Express-enabled system with an available PCI Express slot
- Windows® 2000/XP/Server 2003/Windows Vista operating system

#### Package Contents:

*This package should contain:*

- 1 x PCI Express Serial Card
- 1 x 2 Port Bracket
- 1 x Instruction Manual
- 1 x Driver CD

# Installation

## Installing the PCI Express expansion card



**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.

1. Turn **OFF** the computer power before installation.
2. Remove the chassis cover from your computer.
3. Locate an unused PCI Express slot and remove the corresponding slot cover from rear panel of the computer chassis. Retain the screw (if applicable) used to hold the slot cover in place.
4. Align the PCI Express card with the unused PCI Express expansion slot. Applying pressure evenly across the top edge of the expansion card, firmly but gently insert the card into the slot, ensuring that the card is properly aligned with the rear panel slot.
5. Secure the card to the motherboard and rear chassis, using the screw removed in step 3. Secure the additional serial ports to an adjacent rear bracket, and ensure that the serial ports are connected snugly to the PEX4S550 circuit board.
6. Replace the chassis cover (removed in step 2).
7. Power on the computer. Once the computer has been rebooted, the operating system will detect that the PCI Express card has been installed and request driver installation, detailed in the next section.

## Driver Installation

When Windows loads for the first time following the physical installation of PEX4S550, the **Add New Hardware Wizard** will appear, and help guide you through the software installation:

### *Windows XP*

1. Please select **Install from a list or specific location (Advanced)**, then click **Next**.
2. Insert the Driver CD, and select **Include this location in the search**, ensuring that

this is the only selection made (no other checkmarks present). In the text box provided, either type in **D:\PCle\2S\XP**, or browse to this location by clicking the **Browse** button and navigating to the file. Once the file path has been entered, please click **Next**.

3. If the **Hardware Installation** window pops up, click **Continue Anyways**, then **Finish**.
4. You will be required to follow steps 1-3 five more times, for installation to complete. Once finished, please restart your computer for the settings/installation to take effect.

### *Windows Vista*

1. At the **Found New Hardware Wizard**, select **Locate and install driver software (recommended)**.
2. Click on **I don't have the disc. Show me other options**.
3. Select the option **Browse my computer for driver software (advanced)**.
4. Insert the Driver CD, check **Include subfolders**, and enter **D:\PCle\2S\Vista32** (where D:\ is the CD/DVD-ROM drive letter designation). Click **Next** to proceed.
5. If you receive a system message indicating that the drivers are not signed, please select the option **Install this driver software anyways**. Please note that this software has been thoroughly tested for compatibility and functionality.
6. Click on **Close** to complete the driver installation.

### *Windows 2000*

1. When the **Found New Hardware Wizard** appears, please click on **Next**, to advance to the next screen.
2. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
3. At the next screen, please select **Specify a location** and ensure that all other checkboxes are empty. Click **Next**.
4. Insert the Drivers CD into your CD-ROM/DVD-ROM drive. Here, you can either browse to the folder in which the drivers are located, or type in the exact path. To browse, please click the **Browse** button, and select **D:\PCle\2S\2000**, where D:\ is the letter designated for your CD-ROM/DVD-ROM drive and click on **OK**.
5. Click **Next**, followed by **Finish**.

## Verifying Successful Installation

To verify that installation of the PCI Express card and software were successful:

1. Right-click **My Computer**, then click **Manage**. Click on **Device Manager**.
2. Click on the + symbol located to the left of **Ports (COM & LPT)**. You should see four instances of **NetMos PCI Serial Port** listed.
3. Click on the + symbol located to the left of **Multifunction adapters**. Here, you should see **NetMos 9845** listed.

## Changing COM Port Addresses

Because some serial devices need a specific COM port in order to work, you may be required to change the COM port designations. If you find that your serial devices are working properly, there is no need to make changes to these settings.

If you need to change the COM port settings:

1. From the Device Manager window, double-click **Ports (COM & LPT)**, then double-click the **NetMos PCI Serial Port** you want to change.
2. Click on the **Settings** tab, and select **Advanced**.
3. Click the down arrow that is next to the **COM Port Number** box, and select a COM port that is not in use. Click on **OK** to proceed.
4. Click on **OK**, then close the Device Manager to save the changes. As necessary, repeat steps 1-4 for each serial port.

## Specifications

<b>Certifications</b>	FCC, CE, ROHS
<b>Bus Type</b>	PCI Express
<b>Connectors</b>	4 x DB9 Male Serial Connector
<b>Maximum Data Transfer Rate</b>	230.4 kbps
<b>Chipset</b>	MCS9845CV
<b>OS Support</b>	Windows® 2000/XP/Server 2003/Windows Vista

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