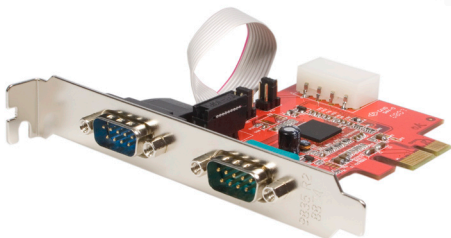


# Dual Profile PCI-Express 16C950 UART Serial Card

PEX2S952

PEX1S952



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*Making hard-to-find easy!*

## **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 PEX1S952/PEX2S952 Dual Profile PCI Express 16C950 UART Serial Card. This dual profile Serial card converts a PCI Express slot into two available RS-232 (DB9) serial connections, while relying on a native, single-chip design for optimal performance and reliability.

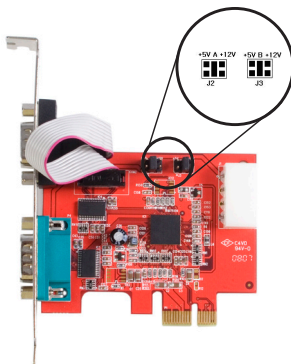
## Features

- 128-byte deep FIFO per transmitter and receiver
- Automated in-band software flow control using programmable Xon/Xoff in both directions
- Automated out-of-band hardware flow control using Tx/Rx/RTS/CTS/DSR/DTR/DCD/RI/GND
- Compliant with IEEE1284, SPP/EPP/ECP parallel port
- Compliant with PCI Express base specifications revision 1.0a
- High Performance Dual Channel Oxford 950 UART
- Native single-Chip, single lane PCI Express
- Selectable power output on pin 9 for the serial port
- Two high speed RS-232 serial ports with data transfer rate up to 460.8 Kbps

## Package Contents

- 1 X Serial Card
- 1 X Driver CD
- 1 X Instruction Manual
- 1 X Low Profile Bracket

# Configuration



The card is specially designed to allow power output from the ninth pin of the connector to enable power up of the connected devices without power adapter. The card allows user to set each individual port with 5V, 12V, or RI (no power). The user may also choose to draw the needed power from the external system power supply.

## Hardware Installation

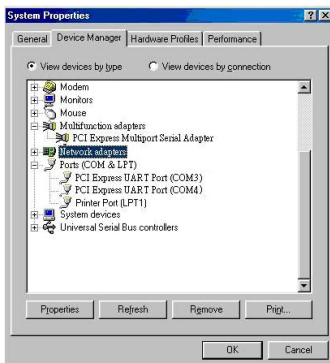
1. Turn Off the power to your computer.
2. Unplug the power cord and remove your computer's cover.
3. Remove the slot bracket from an available PCIe slot.
4. To install the card, carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly.
5. Connect the system power source to the board's power connector.
6. Replace the slot bracket's holding screw to secure the card.
7. Replace the computer cover and reconnect the power cord.

# Installing the Software Drivers

This section provides information regarding the installation of the Super PCI-E I/O drivers for the following operating systems:

## Windows 2000 Driver installation

1. At the Add New Hardware Wizard window, click “Next”
2. Select the option “Search for the best driver for your devices (Recommended)” and click “Next”
3. Select the option “Specify the location” and type in d:\Uart (CD-ROM) then click “Next”
4. Click “Next” and then “Finish” respectively.
5. Remove the disc, then select “Yes” to restart the computer for the setup to take effect.

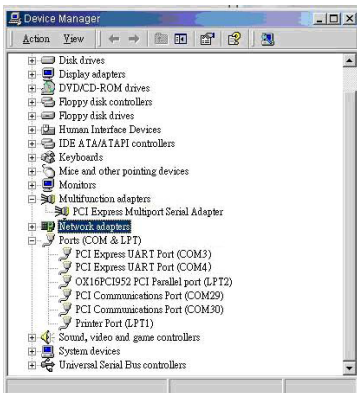


## To verify successful installation on Windows 2000:

1. From the main desktop, double-click on My Computer, then double-click on Control Panel, System, and Device Manager.
2. Double-click on either Ports (COM & LPT) or Serial port device options. PCI I/O Board should be displayed when successfully installed. The port is ready to connect new device.

## Windows XP Driver Installation

1. At the Add New Hardware Wizard window, click on “Next.”
2. Select the option “Search for the best driver for your devices (Recommended)” and click on “Next.”
3. Select the option “Specify the location” and type in D:\Uart (Disk D:CD-ROM) then click on “Next.”
4. Click “Next” and then “Finish” respectively.
5. Remove the disc, then select “Yes” to restart the computer for the setup to take effect.

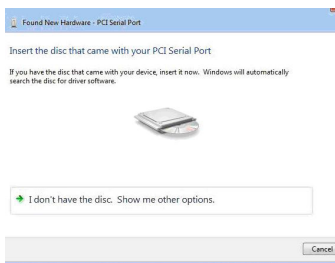
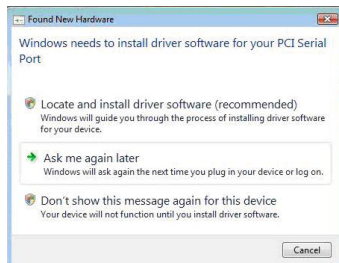


## To verify successful installation on Windows XP:

1. From the main desktop, double-click on My Computer, then double-click on Control Panel, System, and Device Manager.
2. Double-click on either Ports (COM & LPT) or Serial port device options. PCI I/O Board should be displayed when successfully installed. The port is ready to connect new device.

## Windows Vista Driver Installation

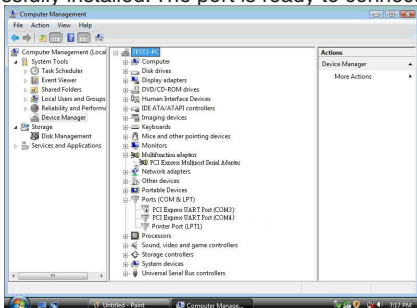
1. Insert the drivers CD into your CD-ROM.
2. Click on “Locate and install driver software (recommended).”
3. Install the software from the disc included with your PCI Serial Port and then click “Next.”



4. A notification will appear informing you that Windows has encountered a problem installing the driver software for your device. Click “close” to continue.
5. Install the software from the disc included with your 16C95x Serial Port and then click “Next.”



6. A notification will appear informing you that Windows has encountered a problem installing the driver software for your device. Click “close” to continue.
7. Click the “Device Manager” click on “Device Manager” to either Ports (COM & LPT) device options. 16C95x Serial Port should be displayed when successfully installed. The port is ready to connect new device.



# Specifications

<b>Specifications</b>	<b>PEX2S952</b>
<b>Bus Type</b>	PCI Express 3.3V
<b>Maximum Data Transfer Rate</b>	460 Kbps
<b>Chipset</b>	Oxford OXPCIe952
<b>OS Support</b>	Windows 2000, XP, Vista™
<b>Stop Bits</b>	1, 1.5, 2
<b>Data Bits</b>	4, 5, 6, 7, 8

## 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 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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