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PCI Express RS232 Serial Adapter Card with 16950 UART

PEX1S952
PEX2S952
PEX1S952LP
PEX2S952LP
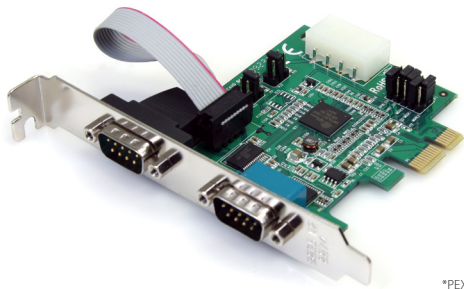
*PEX2S952 shown

For the most up-to-date information, please visit: www.startech.com

Manual Revision: 08/12/2019

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)

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Introduction

Thank you for purchasing a StarTech.com PEX1S952/PEX2S952/ PEX1S952LP/ PEX2S952LP Native PCI Express 16C950 UART Serial Card. This dual profile Serial card converts a PCI Express slot into one or two 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 1.1
- High Performance Dual Channel Oxford 950 UART
- Native single-Chip, single lane PCI Express
- Selectable power output on pin 9 for the serial port
- High speed RS-232 serial ports with data transfer rate up to 460.8 Kbps

Package Contents

- 1 X Serial Card (Low Profile bracket preinstalled on LP models)
- 1 X Driver CD
- 1 X Instruction Manual
- 1 X Low Profile Bracket (PEX1S952 only)
- 2 X Low Profile Bracket (PEX2S952 only)
- 1 x Full Profile Bracket (PEX1S952LP/PEX2S952LP only)

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Jumper 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 the use of a power adapter. The card allows user to set each individual port with 5V, 12V, or RI (no power) via jumper settings on the card. The user may also choose to draw the needed power from the PC's internal system power supply via an LP4 molex connector.
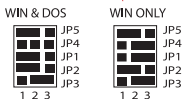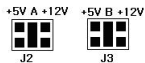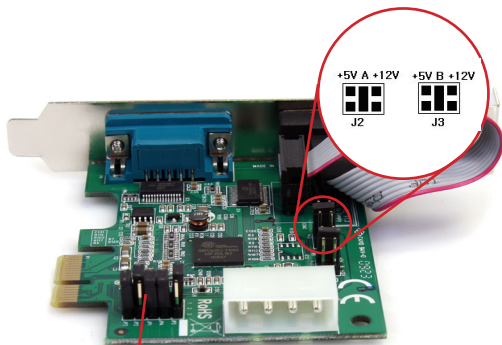
3x5 Pin Header setting

1. For WIN & DOS setting and Transmission speed 115Kbps MAX
2. For WIN only setting and Transmission speed 460Kbps MAX

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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. **Optional:** Connect the LP4 molex power connector from the computer power supply to the card. Make sure the Jumper settings on the card are configured properly.

6. Replace the slot bracket's holding screw to secure the card.

7. Replace the computer cover and reconnect the power cord.

Driver Installation

Windows 2000/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 (where D: is your CD-ROM drive) 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 2000/XP:

1. From the main desktop, right-click on "My Computer", then select Manage. In the new Computer Management window, select "Device Manager" from the left window panel.

2. Double-click on both "Ports (COM & LPT)" and "Multifunction Adapters". The Serial Adapter board and additional serial ports (COM ports)should be displayed when successfully installed. The port is ready to be connected to new device(s).

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Windows Vista/7

1. When the Found New Hardware window appears on the screen, click on the "Locate and install drivers software (recommended)" option. If prompted to search online, select the "Don't search online" option.

2. When prompted to insert the disc, insert the Driver CD that came with the card, into your CD/ DVD drive and Windows will automatically proceed to search the CD.

3. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.

4. Once the driver is installed, click the Close button.

Windows Vista Driver Installation

1. At the Found New Hardware prompt, click on "Locate and install driver software (recommended)."

2. When prompted, insert the disc included with your Serial Card and then click "Next."

3. A notification will appear informing you that Windows has encountered a problem installing the driver software for your device. Click "close" to continue.

4. When another Found New Hardware prompt appears, install the software from the disc included with your Serial Card and then click "Next."

5. A notification will appear informing you that Windows has encountered a problem

6. installing the driver software for your device. Click "close" to continue.

To verify successful installation on Windows Vista:

1. From the main desktop, right-click on "Computer",
   then select Manage. In the new Computer Management window, select "Device Manager"
   from the left window panel.

2. Double-click on both "Ports (COM & LPT)" and "Multifunction Adapters". The Serial Adapter board and additional serial ports (COM ports)should be displayed when successfully installed. The port is ready to be connected to new device(s).

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Specifications

	PEX1S952 PEX1S952LP	PEX2S952 PEX2S952LP
Bus Type	PCI Express rev 1.1 (3.3V)	
External Ports	1 x DB9	2 x DB9
Internal Connectors	1 x LP4 molex	
Chipset	Oxford OXPCIe952	
UART	16C950	
Power Mode	5V / 12V / RI (no power)	
Maximum Data Transfer Rate	460 Kbps	
Stop Bits	1, 1.5, 2	
Data Bits	4, 5, 6, 7, 8	
Compatible Operating Systems	Windows 2000/ XP(32/64bit)/ Vista(32/64bit)/ 7(32/64bit), and Linux	

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Technical Support

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For the latest drivers/software, please visit **www.startech.com/downloads**

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