8 Port Low Profile RS232 PCI Serial Card with 16950 UART

PCI8S950LP

*actual product may vary from photos

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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

The PCI8S950LP 8 Port Low Profile RS232 PCI Serial Card with 16950 UART lets you turn a single low profile PCI slot into eight RS232 (DB9) serial connections.

The unique design of the serial card and included break out cable feature a VHDCI (Very High Density Cable Interconnect) connector, enabling the addition of 8 serial interfaces while only using a single expansion slot. With the included full height bracket, this card can be easily installed in almost any computer case.

The 8-port serial adapter card is compatible with a broad range of operating systems, including Windows® 2000/XP/2003/Vista/Server 2008 R2/7, as well as Linux Kernel 2.4.x and up. A cost-effective solution for connecting industrial process control and monitoring equipment, serial modems, POS devices, ISDN terminal adapters and more to your system.

Packaging Contents

- 1 x PCI Serial card
- 1 x Full Profile bracket
- 1 x 8-Port DB9 serial breakout dongle
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- PCI enabled computer with available 3.3V or 5V PCI slot
- Microsoft® Windows® 2000/ XP/ Server 2003/ Vista/ 7 (32/64-bit), or
      Linux® kernel 2.4.x/2.6.x

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Installation

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

Hardware Installation

1. Turn your computer off and any peripherals connected to the computer (i.e. Printers, external hard drives, etc.). Unplug the power cable from the rear of the power supply on the back of the computer.

2. Remove the cover from the computer case. Refer to documentation for your computer system for details.

3. Locate an open PCI or PCI-X slot and remove the metal cover plate on the rear of the computer case. Refer to documentation for your computer system for details.

4. Insert the card into the open PCI or PCI-X slot and fasten the card's bracket to the rear of the case.

5. Place the cover back onto the computer case.

6. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

7. Attach the 8-port DB9 breakout dongle to the connector on the card.

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Driver Installation

Windows 2000/ XP/ Server 2003

When the Found New Hardware wizard appears on the screen, insert the Driver CD into your CD/ DVD drive. If you are prompted to connect to Windows Update, please select the "No, not this time" option and click Next.

Select the option "Install Drivers Automatically (Recommended)" and then click the Next button.

Windows should now start searching for the drivers. Once this has completed, click the Finish button.

Windows Vista/ 7

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.

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.
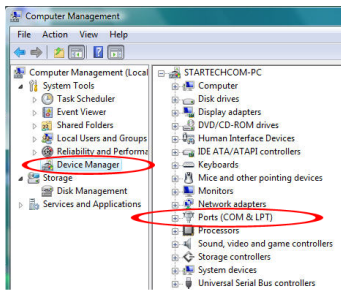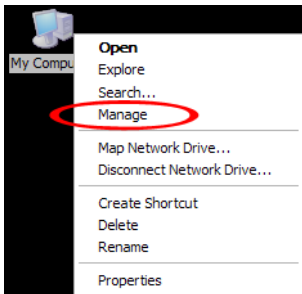
If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.
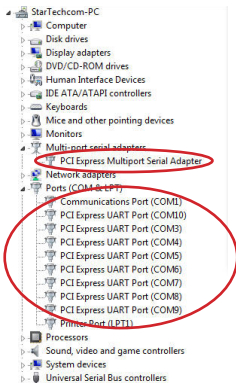
Once the driver is installed, click the Close button.

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Verifying Installation

Windows 2000/ XP/ Server 2003/ Vista/ 7

From the main desktop, right-click on "My Computer" ("Computer" in Vista/7), then select Manage. In the new Computer Management window, select Device Manager from the left window panel.

Double-click on the "Ports (COM & LPT)" option. The appropriate number of additional COM ports should be visible. The port(s) are ready to connect to new devices.

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Specifications

Host Interface	32-bit PCI v2.2 (3.3V/ 5V)
Chipset ID	Oxford OXPCIe958
Serial UART	16C950
External Connectors	8 x DB9 male (via breakout cable)
Supported Serial Protocol	RS-232
Maximum Data Transfer Rate	460.8 Kbps
Operating Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Humidity	5% ~ 85% RH
Compatible Operating Systems	Windows 2000/ XP/ Server 2003/ Vista/ 7, Linux kernel 2.4.x/2.6.x

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