

4 Port RS232 PCI Serial Card with Power

PCI4S954PW



*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 PCI4S954PW 4-Port PCI Serial Card (with Power Output) turns a PCI slot into 4 RS232 (DB9) serial connections and enables compatible devices to draw power from the serial ports.

Suitable for many RS232-powered serial applications, this PCI serial card offers a selectable 5V or 12V power option capable of power output using pin 1, 4, 8 or 9, allowing you to configure the card to suit the requirements of your powered RS232 devices.

A flexible solution for adding serial ports to full-sized, or small form factor systems, the 4-port serial card includes both low and full profile brackets while the included breakout cable helps to avoid cluttered connections.

Packaging Contents

- 1 x PCI Serial Card
- 1 x 4 Port DB9 Breakout Cable
- 1 x Low Profile Bracket
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- PCI enabled computer system with available PCI expansion slot
- Computer power supply with available LP4 Molex power connector
- Microsoft® Windows® XP/ Server 2003/ Vista/ Server 2008 R2/ 7 (32/64-bit) / 8 (32/64-bit) or Windows CE 5.0, or Linux® kernel 2.4.x/ 2.6.x

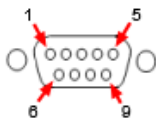
Installation

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.

Jumper Configuration

Each serial port has a set of jumpers that are used to configure the voltage and on which pin the power is output. The ports can also be configured to not output any power and function as a standard serial port.













Pin	Description
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI









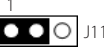





Port 1

Pin	Normal	12V	5V
1		 J17	 J17
4		 J17	 J17
8		 J17	 J17
9		 J17	 J17













Port 2

Pin	Normal	12V	5V
1			
4			
8			
9			

Port 3

Pin	Normal	12V	5V
1			
4			
8			
9			

Port 4

Pin	Normal	12V	5V
1	 J13	 J13	 J20
4	 J14	 J14	 J20
8	 J15	 J15	 J20
9	 J16	 J16	 J20

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 and disconnect all peripheral devices.
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.
4. Gently insert the card into the open PCI or PCI-X slot and fasten the card's bracket to the rear of the case.

NOTE: If installing the card into a small form factor/low profile system, replacing the pre-installed full profile bracket with the included low profile installation bracket may be necessary.

5. **OPTIONAL:** If using power over serial, connect an LP4 Molex power connector from the computer power supply to the LP4 Molex connector on the card.
6. Place the cover back onto the computer case.
7. Connect the 4 Port breakout cable to the large connector on the card.
8. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

Driver Installation

Windows XP/ Server 2003/ Vista/ Server 2008 R2/ 7 / 8

1. Upon starting Windows, if the "Found New Hardware" wizard appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.
2. On the CD browse to the folder "PCI_IO\ PCI_IO\OXuPCI952_954\Windows"
3. Run Setup.exe and install the drivers
4. Restart computer to complete the installation.

Windows CE

Refer to Installation Guide located on CD

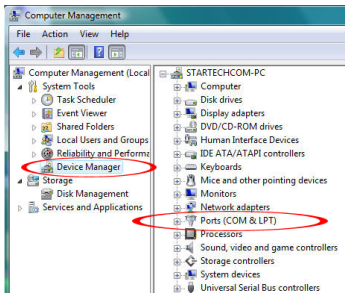
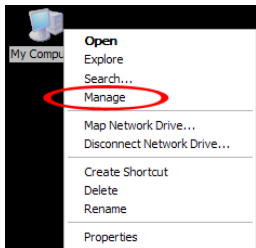
Linux

Refer to Installation Guide located on CD

Verifying Installation

Windows XP/ Server 2003/ Vista/ Server 2008 R2/ 7 / 8

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.



*screenshots for reference only

Double-click on the “Ports (COM & LPT)” option. Additional COM ports should be listed under this category.

Specifications

Host Interface	PCI v3.0 (32-bit, 3.3/5V)
Form Factor	Full/Low Profile
Chipset ID	PLX OXuPCI954
External Connectors	4 x 9-pin DB9 male (via breakout cable)
Internal Connectors	1 x 4-pin LP4 Molex male
Supported Protocols	RS-232
Maximum Data Transfer Rate	460.8 Kbps
Data Bits	5, 6, 7, 8, 9
Parity	None, Odd, Even, Space, Mark
Stop Bits	1, 1.5, 2
Flow Control	None, Xon/Xoff, RTS/CTS, DSR/DTR
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (4°F ~ 140°F)
Humidity	5% ~ 85% RH
Dimensions	57.0mm x 19.0mm x 120.0mm
Weight	95g
Compatible Operating Systems	Windows XP/ Server 2003/ Vista/ Server 2008 R2/ 7 (32/64-bit) / 8 (32/64-bit), Windows CE 5.0, Linux

Technical Support

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Warranty Information

This product is backed by a lifetime warranty.

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