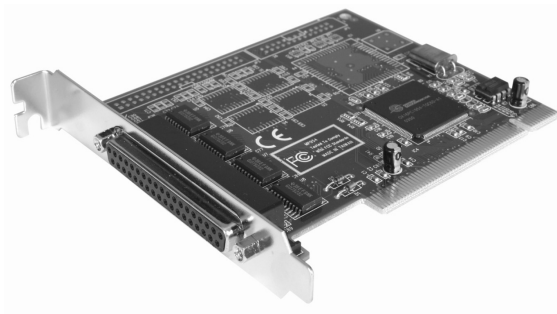


PCI Serial Card

4 Port RS-232 High-Speed Serial PCI Card

PCI4S550

Instruction Manual



Actual product may vary from photo

StarTech.com

The Professionals' Source for Hard-to-Find Computer Parts

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.

Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

This manual may make reference to trademarks, registered trademarks, and other protected names and/or symbols of third-party companies not related in any way to StarTech.com. Where they occur these references are for illustrative purposes only and do not represent an endorsement of a product or service by StarTech.com, or an endorsement of the product(s) to which this manual applies by the third-party company in question. Regardless of any direct acknowledgement elsewhere in the body of this document, StarTech.com hereby acknowledges that all trademarks, registered trademarks, service marks, and other protected names and/or symbols contained in this manual and related documents are the property of their respective holders.

Table of Contents

Introduction	1
Before You Begin	1
System Requirements	1
Contents	2
Installation	2
Installing the Card	2
Installing the Drivers	2
Specifications	4
Accessory Products from StarTech.com	5
Technical Support	6
Warranty Information	6

Introduction

Thank you for purchasing a StarTech.com 16950 PCI Serial card. The latest in Plug and Play expansion cards, this high-speed serial card provides your computer with four 16C950 UART (Universal Asynchronous Receiver-Transmitter) RS-232 serial ports (varies by model). You can connect any 9-pin external serial device such as a modem, mouse, or ISDN adapter to your system and enjoy speeds of up to 15 Mbits/sec (asynchronous mode) or 60 Mbits/sec (isochronous) mode. This 32-bit, 33MHz PCI card is also backwards compatible with UART versions to ensure compatibility with a wide range of serial peripherals.

Features

- Provides four 16C950 UART RS-232 serial ports
- Buffers up to 128 bytes for FIFO receiving/transmitting
- Fully adjustable IRQ trigger levels
- Automated flow-control to prevent UART overrun
- Backward compatible with 16C450, 16C550, 16C650, and 16C750 UARTs
- Complies with PCI Bus specification 2.2, Power Management 1.0, and Plug and Play specifications
- Backed by StarTech.com's lifetime warranty

Before You Begin

To ensure a quick and easy card installation, please read through this section carefully before attempting to install the card.

System Requirements

- An IBM PC running Windows XP/2000/ME/98/95 or NT4.0
- An available PCI slot
- A CD-ROM or other compatible optical drive (for driver 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.

Contents

This package should contain:

- 1 x PCI serial card
- 1 x Port “dongle” connector
- 1 x Installation CD
- 1 x Instruction Manual

Installation

This section will guide you through the installation of your PCI card and the related software. Please read through the instructions carefully and complete each step in the order listed.

Installing the Card

1. Make sure that your system is unplugged and you are grounded.
2. Remove the cover of your system (see your computer's user manual for details, if necessary) and gently turn your computer onto its side.
3. Locate an empty PCI slot (usually white in color) and remove the metal plate that covers the rear bracket. You may need a Phillips screwdriver to perform this step. **Retain this screw!** You will need it to secure the card later.
4. Gently insert the card into the empty slot, making sure it is firmly seated.
5. Secure the card in place using the screw you removed in Step 3.
6. Connect the port dongle provided to the port on the back of the card.
7. Put your computer case back on.

Installing the Drivers

The current software drivers for this product are included on the provided installation CD. If you lose the installation CD or want to update the existing drivers in future, please visit **www.startech.com** to download the most current version of the drivers. For advanced configuration instructions, consult the PDF files located in the **doc** folder on the installation CD. To view these files, you will need **Adobe Acrobat Reader** which is available as a free download from www.adobe.com.

Windows XP/2000

1. Windows will automatically detect the new hardware and start the **Add New Hardware Wizard**. Click **Next**.

2. Insert the installation CD that came with the card into your computer's CD-ROM or other compatible optical drive. Choose **Search for a suitable driver...** (Windows 2000) or **Install the software automatically** (Windows XP). Click **Next**.
3. You may receive a warning that the driver is not digitally signed. Choose **OK** (Windows 2000) or **Continue Anyway** (Windows XP) when prompted to complete the installation.
4. When Windows is done copying files, you will see a message above the System Tray (next to the clock) stating that the card is installed and ready to use. You may now attach your serial devices.

Windows 95/98/98SE/ME

1. Windows will automatically detect the new hardware and start the **Add New Hardware Wizard**. Click **Next**.
2. Choose **Search for the best driver for my device** and click **Next**.
3. Insert the installation CD that came with the card into your computer's CD-ROM or other compatible optical drive. Check **CD-ROM** from the list. Click **Next**.
4. The system will locate the appropriate driver. Click **Next**.
5. When the system is finished installing the driver, click **Finish**. Once the main driver for the card is installed, the system will install the serial ports automatically.

Windows NT4

1. Insert the driver disk into the disk drive. Browse to the WinNT4 folder on the installation CD and double-click on the **Install_Ssr.exe** file.
2. When the installation application starts, click **Next** to continue.
3. Ensure that **Install** is selected, then click **Next**.
4. Click **OK** to accept the license agreement. The system will install the drivers and the ports will be ready for use.

Specifications

Form Factor/Interface	Full-size PCI, 32-bit PCI standard ver. 2.2 compliant
Maximum Data Transfer Rate	15 Mbits/sec (asynchronous mode) 60 Mbits/sec (isochronous mode) (Some speeds may require a different clock crystal)
Connectors	DB-9 RS-232 serial (male)
UART Chipset	Oxford Semiconductor OX16PCI954
Regulatory Certifications	FCC Class B, CE, UL

Accessory Products from StarTech.com

Contact your local StarTech.com dealer or visit www.startech.com for cables or other accessories that will help you get the best performance out of your new product.

3 ft. AT Modem Cable DB9F-DB25M
MC3MF

6 ft. AT Modem Cable (male to female)
MC6MF

6 ft. 9-pin Straight Through Cable (male to female)
MXT100

25 ft. 9-pin Straight Through Cable (male to female)
MXT100_25

Adapter DB9F to DB25F
AT925FF

Adapter DB9F to DB25M
AT925FM

Slimline Adapter DB9F to DB25M
AT925SFM

10 ft. Cross Wired Serial/Null Modem Cable DB9F to DB25M
SCNM925FM

10 ft. Cross Wired Serial/Null Modem Cable DB9 F/F
SCNM9FF

25 ft. Cross Wired Serial/Null Modem Cable DB9 F/F
SCNM9FF25

10 ft. Cross Wired Serial/Null Modem Cable DB9 F/M
SCNM9FM

6 ft. Modem Cable DB9F-DB9F
MXT100FF



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 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.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

About StarTech.com

StarTech.com is "The Professionals' Source for Hard-to-Find Computer Parts". Since 1985, we have been providing IT professionals with the quality products they need to complete their solutions. We offer an unmatched selection of computer parts, cables, server management solutions and A/V products and serve a worldwide market through our locations in the United States, Canada, the United Kingdom and Taiwan.