

## 8 Port Low Profile PCI Express RS232 Serial Adapter Card w/ 161050 UART

PEX8S1052



\*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

## Packaging Contents

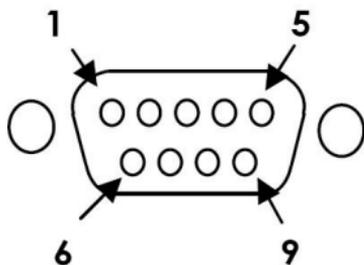
- 1x 8 Port RS232 Card
- 1x Breakout Cable
- 1x Standard Profile Bracket
- 1x Driver CD
- 1x Instruction Manual

## System Requirements

- Available PCI-Express slot

# Installation

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



DB-9 Serial Port Pin Assignment

|       |     |
|-------|-----|
| Pin 1 | DCD |
| Pin 2 | RXD |
| Pin 3 | TXD |
| Pin 4 | DTR |
| Pin 5 | GND |
| Pin 6 | DSR |
| Pin 7 | RTS |
| Pin 8 | CTS |
| Pin 9 | RI  |

## 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 Express slot and remove the metal cover plate on the rear of the computer case.

4. Gently insert the card into the open PCI Express slot and fasten the card's bracket to the rear of the case.

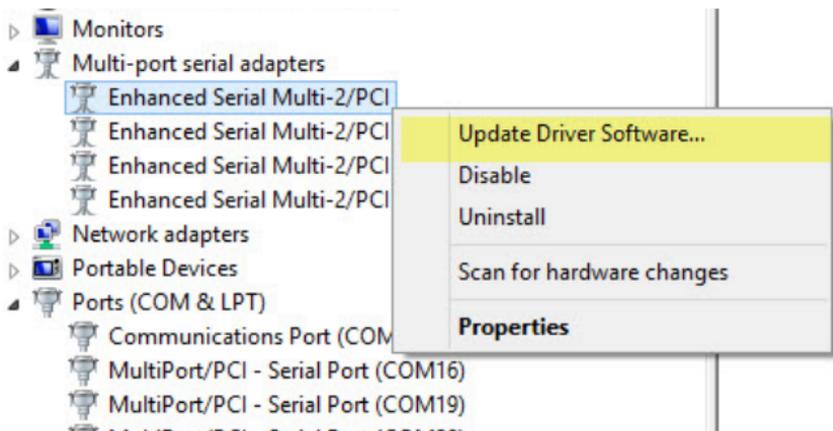
**NOTE:** If installing the card into a standard profile system, replacing the pre-installed low profile bracket with the included standard profile installation bracket may be necessary.

5. Place the cover back onto the computer case.
6. Connect the 8 Port breakout cable to the large connector on the card.
7. Insert the power cable into the socket on the power supply and reconnect all other connectors removed in Step 1.

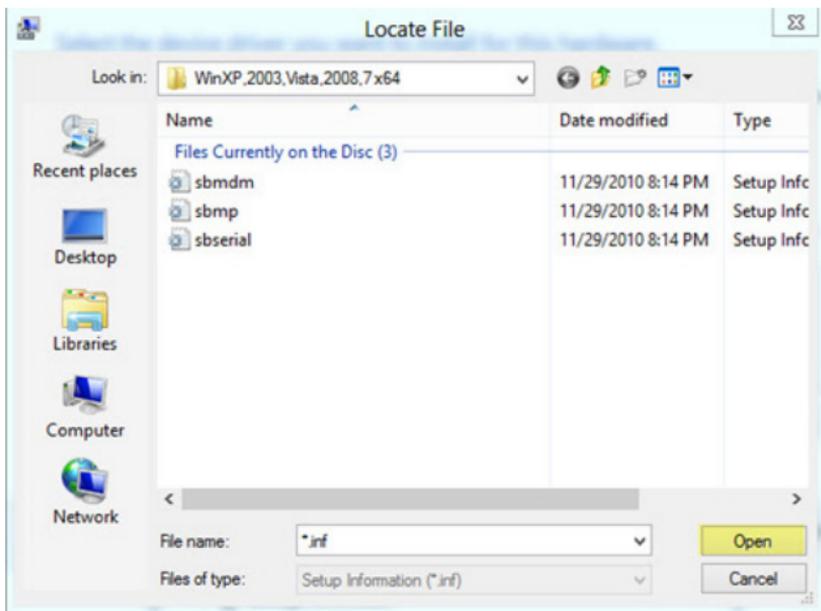
# Driver Installation

## Windows® 8 / 7 / Vista / Server 2008 R2

1. Upon starting Windows, if the *Found New Hardware* dialog appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.
2. Open the *Device Manager* by right-clicking on **Computer**, and then select **Manage**. In the new *Computer Management* window, select **Device Manager** from the left window panel (For Windows 8, open the **Control Panel** and select **Device Manager**).
3. Right-click on one of the newly detected "Enhanced Serial Multi-2/PCI" devices and select **Update Driver Software**, which will start the *Update Driver Software Wizard*.



4. On the *How do you want to search for driver software?* window, click **Browse my computer** for driver software, then **Let me pick from a list of device drivers on my computer**.
5. From the next screen labeled *Select your device's type from the list below*, select **Show All Devices** (should be highlighted by default), and then click **Next**.  
**NOTE:** This screen does not appear on all systems, move on to the next step if this does not apply
6. On the *Select the Device Driver you want to install for this hardware* screen, click the **Have Disk** button.
7. Click **Browse** from the *Install from Disk* dialog box that pops up.
8. From the *Locate File* dialog window that opens, navigate to your CD/DVD drive, then double-click the appropriate 32 or 64-bit OS folder for the system you are using. The File Name portion at the bottom should show `*.inf` by default and several files should be visible. Click the **Open** button.



9. Click the **OK** button on the *Install From Disk* dialog box which will close the window.

10. Once back at the *Select the Device Driver you want to install for this hardware screen*, click **Next** and then **Close** once the driver has installed.

**NOTE:** At this point of the install, you may receive a message pop-up stating Windows can't verify the publisher of this driver software, click *Install this driver software anyway*

11. Repeat Steps 3-10 for the remaining "Enhanced Serial Multi-2/PCI" devices before closing the *Device Manager window*.

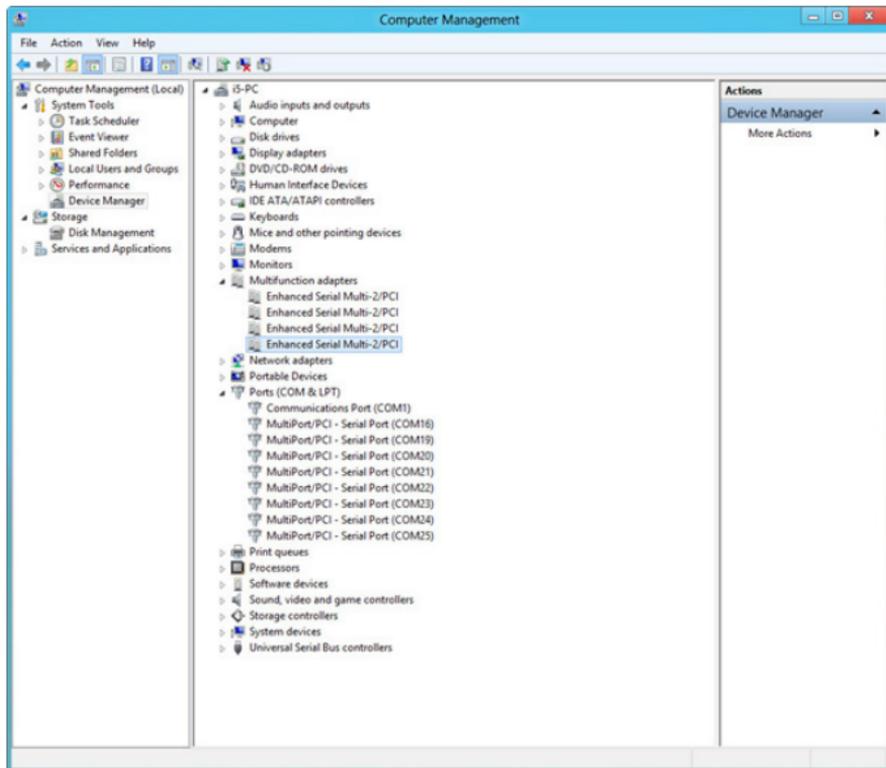
## Windows XP

1. Upon starting Windows, if the *Found New Hardware* dialog appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.
2. Open the *Device Manager* by right-clicking on **My Computer**, and then select **Manage**. In the new *Computer Management* window, select **Device Manager** from the left window panel.
3. Right-click on one of the newly detected "PCI Serial Port" devices and select **Update Driver**, which will start the *Hardware Update Wizard*.
4. On the *Hardware Update Wizard* window, click **Install the software automatically**, then click **Next**.
5. If you receive a message regarding *Windows Logo testing*, click **Continue Anyway**.
6. Click the **Finish** button once the wizard completes the install.
7. Repeat Steps 3-6 for the remaining "PCI Serial Port" devices before closing the *Device Manager* window.

# Verifying Installation

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

Open the *Device Manager* window, and expand the **Multifunction Adapters** and **Ports (COM & LPT)** sections. On a successful install, you should see 4 *Enhanced Serial Multi-2/PCI* devices in the Multifunction Adapters section, and 8 *Serial Port (COMx)* devices installed with no exclamation points or question marks.



# Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Host Interface</b>               | PCI Express  |
| <b>Form Factor</b>                  | Low Profile (Standard bracket incl.)   |
| <b>Chipset ID</b>                   | SystemBase - SB16C1052PCI  |
| <b>External Connectors</b>          | 8 x DB-9 (9 pin; D-Sub)  |
| <b>Supported Protocols</b>          | RS-232   |
| <b>Maximum Baud Rate</b>            | 460.8 Kbps   |
| <b>Data Bits</b>                    | 5, 6, 7, 8   |
| <b>Parity</b>                       | None, Odd, Even  |
| <b>Stop Bits</b>                    | 1, 1.5, 2  |
| <b>Flow Control</b>                 | None, Xon/Xoff, RTS/CTS  |
| <b>Operating Temperature</b>        | -10°C - 80°C (14°F - 170°F)  |
| <b>Storage Temperature</b>          | -20°C - 100°C (-45°F - 212°F)  |
| <b>Humidity</b>                     | 20~80% RH  |
| <b>Dimensions</b>                   | 70 x 20 x 125 mm   |
| <b>Weight</b>                       | 67.4 g   |
| <b>Compatible Operating Systems</b> | Windows® 8 (32/64bit), 7 (32/64),<br>Vista(32/64), XP(32/64), 2000<br>Windows® Server 2008 R2, 2003(32/64) |

# Technical Support

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For the latest drivers/software, please visit [www.startech.com/downloads](http://www.startech.com/downloads)

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