StarTech PEX2S1050 2-Port Serial Card User Manual

2-Port Serial Card with 16C1050 UART –
RS232 – PCIe
PEX2S1050
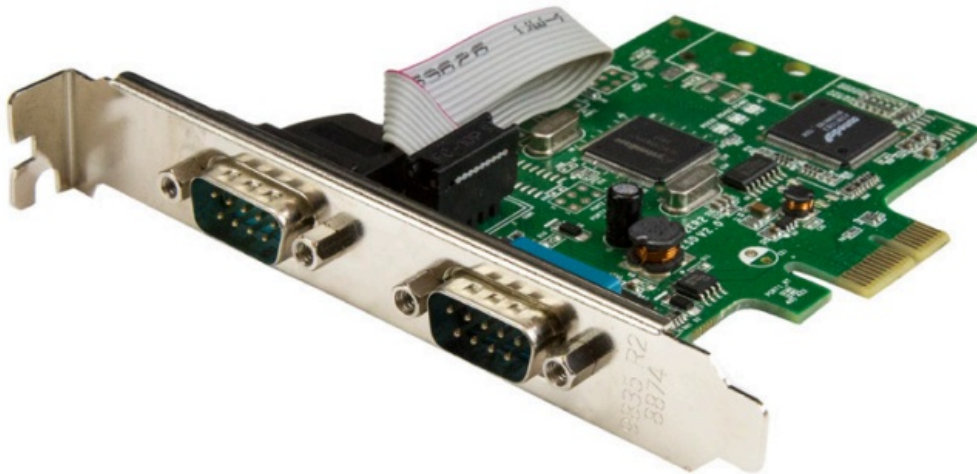
*actual product may vary from photos

For the latest information, technical specifications, and support for this product, please visit www.startech.com/PEX2S1050
Manual Revision: 05/29/2020

Contents

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

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Introduction

This serial card lets you add two RS232 serial ports to your full or small form-factor computer through a PCI Express expansion slot. It features a dual-channel 16C1050 UART for compatibility with 16C1050 serial devices. It's a convenient solution for connecting modern or legacy serial devices to your computer, with support for data transfer rates up to 460Kbps.
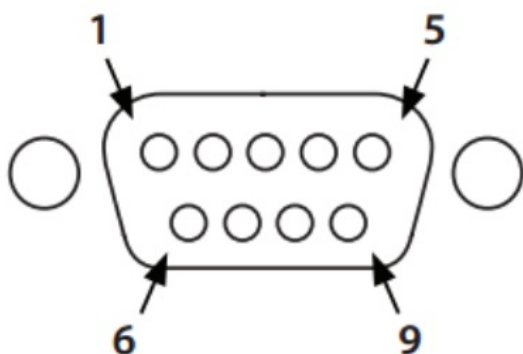
Product diagram

Top view
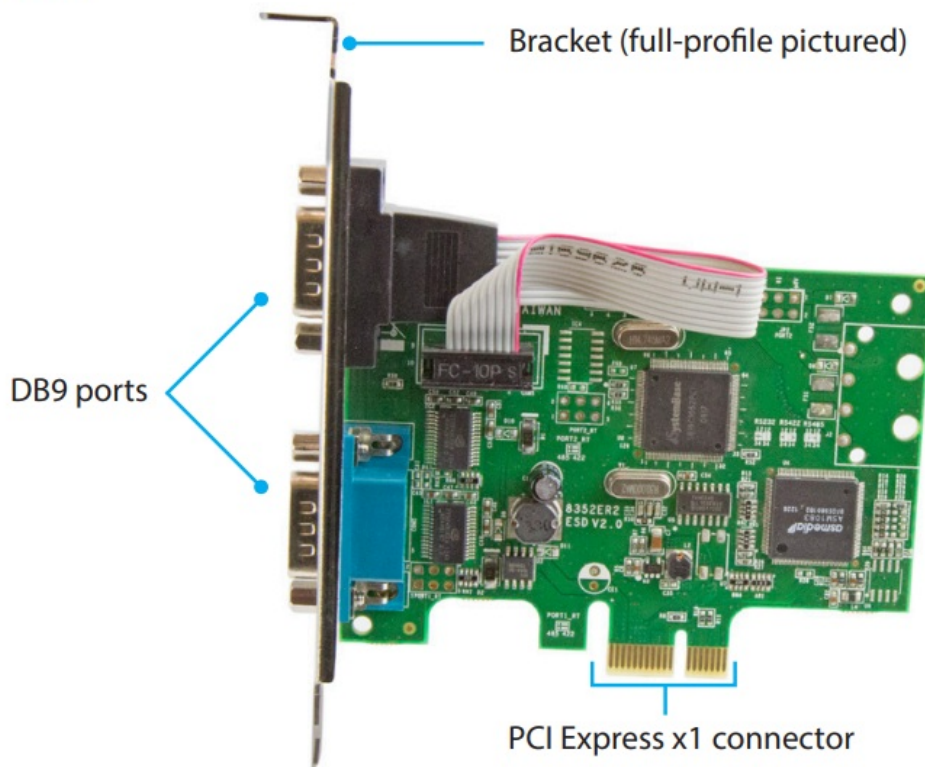
Front view
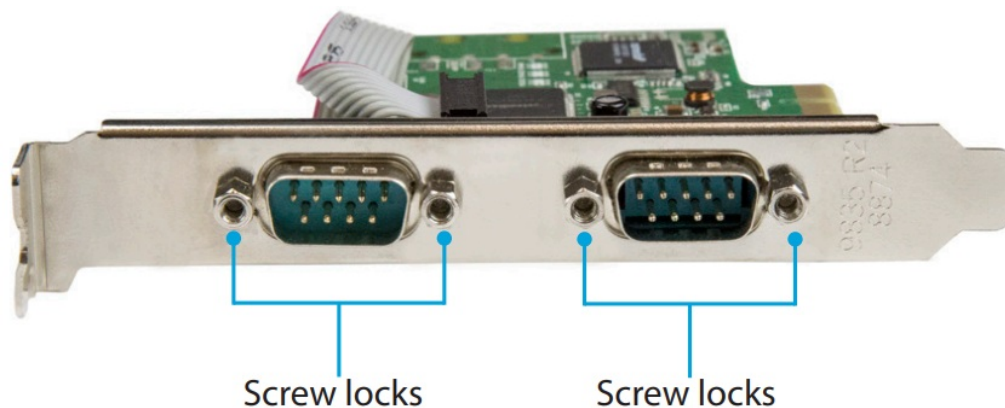
DB9 RS232 connector pinout – male

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

Package contents

- 1 x serial card
- 2 x low-profile brackets
- 1 x driver CD
- 1 x quick-start guide

Requirements

- A host computer with a PCI Express x1 slot (two expansion slots are required for installation into a low-profile computer)
- A CD-ROM, DVD-ROM, or another compatible optical drive (for driver CD installation)
- RS232 serial cables (DB9)
- Any of the following operating systems:
- Windows® 95, 98SE, ME, XP, Vista, 7, 8, 8.1, 10
- Windows® Server 2008 R2, 2012, 2012 R2, 2016, 2019

Hardware installation

Install the low-profile brackets

The serial card can be installed in a low-profile (half-height) or a full-profile computer.
The full-profile bracket comes preinstalled on the card, but if you have a small formfactor computer, you can install the two low-profile brackets instead.

1. Remove the four screw locks that are securing the DB9 serial ports to the full-profile bracket.
2. Remove the full-profile bracket from the card.
3. Align the low-profile bracket's DB9 port holes with the DB9 ports on the card.
4. Insert one DB9 serial port into the DB9 port hole on each of the two low-profile brackets using the screw locks from step 1.
5. Insert the two screw locks from step 1 and tighten them into place on each low- profile bracket.

Install the PCIe Card

Warning! PCIe cards can be severely damaged by static electricity. If an anti-static strap isn't available, discharge any built-up static electricity by touching a large grounded metal surface for several seconds.

1. Turn off your computer and any devices or peripherals that are connected to it, such as printers or external storage devices.
2. Unplug the power cable from the back of your computer.
3. Disconnect any peripheral devices that are connected to your computer.
4. Remove the cover from your computer case. Consult the documentation that came with your computer for details about how to do this safely.
5. Locate an open PCIe slot and remove the corresponding metal cover plate from the back of your computer case. Consult the documentation that came with your computer for details about how to do this safely. This card works in PCIe slots of x1, x4, x8, or x16 lanes.
6. Gently insert the card into the open PCIe slot and fasten the bracket to the back of the case. For low-profile installations, two open slots on your computer case are required, one for the PCIe card, and one additional open slot for the second low- profile bracket.
   Note: If you install the card into a low-profile (small form-factor) desktop system, it might be necessary to replace the preinstalled full-profile bracket with the two included low-profile installation brackets. See "Install the low-profile brackets" for instructions on how to do this.
7. Place the cover back onto your computer case.
8. Reconnect the power cable to the back of your computer.
9. Reconnect all of the peripheral devices that you disconnected in step 3.
10. Turn on your computer.

Software installation

Software installation

Install the driver – Windows

1. Insert the provided driver CD into your computer's CD-ROM or DVD-ROM drive.
2. Navigate to and open **Device Manager.**
3. Under **Other devices,** right-click on the PCI Serial Port device then click **Update Driver Software.**
4. Click the **Browse my computer for driver software**
5. Click the **Browse**
6. Navigate to your CD-ROM or DVD-ROM location.
7. Select the Windows folder that's applicable to the operating system running on the computer. For 32-bit versions of Windows select the **VVin2000,XP,2003,Vista,2008,7** For 64-bit versions of Windows select the **WinXP,2003,Vista,2008,7 x64** folder, then click the **OK** button.
8. Click the **Next** button to complete the installation

Install the driver – Mac OS

The card is natively supported by the following Mac operating systems:

- Mac OS 10.11
- Mac OS 10.10
- Mac OS 10.9
- Mac OS 10.8

After the card is installed inside your Mac computer, the drivers will automatically install.

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

Warranty information

This product is backed by a two-year warranty.
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Documents / Resources

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PEX2S1050, 2-Port Serial Card

References

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