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2S1P PCIe Serial Parallel Combo Card with Breakout Cable

PEX2S1P553B

*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 PEX2S1P553B 2S1P PCI Express Serial Parallel Combo Card with Breakout Cable combines the functionality of Parallel and Serial cards, adding 2 RS232 serial ports and 1 parallel port through a single PCI Express (PCIe) slot.

Suitable for almost any computer, the card offers a low profile/half-height design and includes an optional full-height bracket. The included break-out cable uses a single connector on the card to deliver 3 ports, avoiding crowded connections that can occur with fixed/static ports. Compatible with a broad range of operating systems including DOS, Windows® 7/Server 2008 R2/Vista/XP/Server 2003/2000/98SE (32/64 bit), Linux and Mac OS X.

The card also features a native single-chip design that provides improved speed and reliability while reducing the CPU load by as much as 48% over conventional (bridge chip) cards.

This product is a replacement for our PEX2S1P552B card.

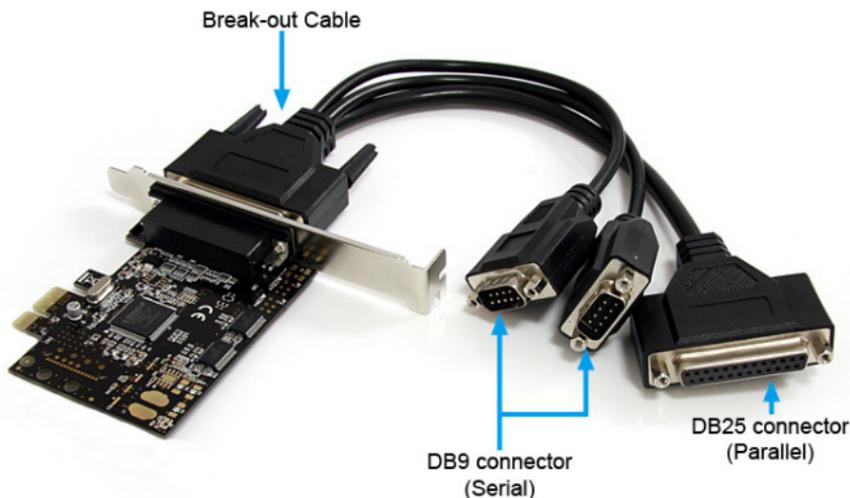Backed by a StarTech.com Lifetime warranty and free lifetime technical support.

Packaging Contents

- 1 x 1x PCIe 2S1P Card
- 1 x DB9 Breakout Cable
- 1 x Full Profile bracket
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- Available PCI Express slot
- Microsoft® Windows® 2000/XP/Server 2003/Vista/Server 2008 R2/7 (32/64 bit), XP Embedded/POS Ready 2009/CE5.0/CE6.0, or Apple® Mac OS® 10.4~10.6, or Linux® kernel 2.6.11 and above

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Installation

Break-out Cable

DB9 connector
(Serial)

DB25 connector
(Parallel)

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 Express 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 Express 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 and disconnect all peripheral devices.

2. Remove the cover from the computer case. See 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 (Refer to documentation for your computer system for details.).
   Note: This card will work in PCI Express slots of additional lanes (i.e. x4, x8 or x16 slots).

4. Insert the card into the open PCI Express slot and fasten the bracket to the rear of the case.

5. Place the cover back onto the computer case.

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6. Connect the break-out cable to the external connector on the card.

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

Driver Installation

Windows 2000/XP/Server 2003

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

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

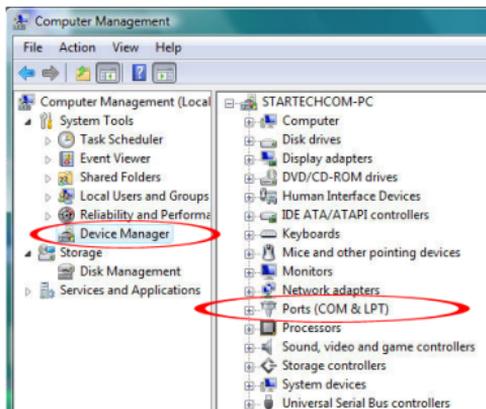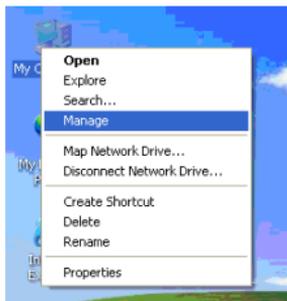3. Windows should now start searching for the drivers. Once this has completed, click the Finish button.

Windows Vista/Server 2008 R2/7

1. 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.

2. When prompted to insert the disc, insert the Driver CD that came with the card, into your CD-ROM drive and Windows will automatically proceed to search the CD.

3. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.

4. Once the driver is installed, click the Close button.

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Verifying Installation

Windows 2000/XP/Server 2003/Vista/Server 2008 R2/7

From the main desktop, right-click on "My Computer" ("Computer" in Vista), 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 and LPT ports should be visible. The port(s) are ready to connect to new devices.

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Specifications

Bus Interface	PCI Express revision 1.0a (x1 slot connector)
Form Factor	Full / Low Profile
Chipset	Moschip MCS9901CV-CC
External Connectors	2 x DB9 male * 1 x DB25 female* (*via included breakout cable)
UART	16C450/16C550
Supported Serial Protocol	RS-232
Supported Parallel Protocol	SPP, EPP, ECP (auto-detecting)
Maximum Data Transfer Rate	Serial: 250 Kb/s (per port) Parallel: 1.5Mb/s
Operating Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Humidity	5% ~ 85% RH
Dimensions (LxWxH)	68.0mm x 22.0mm x 61.0mm
Weight	248.87g
Compatible Operating Systems	Windows 2000/XP/Server 2003/Vista/ Server 2008 R2/7 (32/64-bit), XP Embedded/POS Ready 2009/ CE5.0/CE6.0, Mac OS 10.4~10.6, Linux Kernel 2.6.11 and above

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Technical Support

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

Warranty Information

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