

## 2-Port PCI Express Serial Card with 16C1050 UART - RS232

**Product ID:** PEX2S1050



This PCI Express serial card adds two high-performance RS232 serial ports to your desktop computer or server, for connecting your serial-based devices and equipment.

The PCIe serial card can be installed into an available PCI Express slot, to provide two high-performance 16C1050 RS232 serial UART channels/ports. It offers a convenient solution for connecting modern or legacy equipment to newer computer systems that don't have RS232 ports. The serial card is compliant with PCI Express 1.0a specification, and it's compatible with 1x, 2x, 4x, 8x and 16x PCI Express slots.

The 2-port PCIe serial card is ideal for system upgrades in a wide range of applications including manufacturing equipment, POS equipment, security devices such as surveillance cameras, card readers or access panels, and environment or building control systems.

The PCIe serial card delivers high-performance serial communication, with support for data transfer rates of up to 460Kbps. The serial card provides CPU load decrease which helps ensure optimal system performance and prevent errors such as overruns by preserving resources. In addition, the dual-channel UART ensures smooth performance, even while both ports are in use.

The serial card is easy to install and configure, with support for a broad range of Windows operating systems. Plus, the card features IRQ sharing and supports plug-and-play serial device connections, guaranteeing convenient, hassle-free installation. It comes with a standard-profile bracket installed, and also includes an optional low-profile bracket.

The PEX2S1050 is backed by a StarTech.com lifetime warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

## Applications

- Manufacturing (CNC machinery, process control equipment, bar code scanners, serial printers)
- POS (credit/debit card readers, receipt printers, bar code scanners, cash registers, scales)
- Consumer (modems, PDAs, digital cameras, printers)
- Security (UPS control, access key panels, video cameras, card readers, modems)
- Casino (video lottery terminals, slot machines)
- Environmental Control (lighting, temperature, clocks)
- Healthcare (patient monitoring equipment, nurses' stations, modems)
- Hotel Front Desk (serial printers, bar code scanners, keyboard, mouse, receipt printer, credit/debit card reader)
- Hospitality/Restaurant (credit card/debit card reader, serial printers)
- ISDN Networking

## Features

- Dual-channel 16C1050 UART for full compatibility with 16C1050 devices
- Maximum data transfer rate of 460Kbps
- Compliant with PCI Express 1.0a specification, compatible with 1x, 2x, 4x, 8x, and 16x PCIe bus
- 256-Byte deep FIFO per transmitter and receiver
- In-band software flow control using programmable Xon/Xoff in both directions
- Out-of-band hardware flow control using RTS / CTS
- Support for 5,6,7 or 8 data bits
- Standard profile bracket installed, optional dual low-profile brackets included

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### Hardware

Warranty	2 Years
Ports	2
Interface	Serial
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card

Chipset ID SystemBase - SB16C1052PCI

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**Performance**

Serial Protocol	RS-232
Max Baud Rate	460.8 Kbps
Data Bits	5, 6, 7, 8
FIFO	256 Bytes
Full Duplex Support	Yes
MTBF	124,620 hours

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**Connector(s)**

Connector Type(s)	PCI Express x1
External Ports	DB-9 (9 pin, D-Sub)

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**Software**

OS Compatibility	Windows 95, 98SE, ME, XP, Vista, 7, 8, 8.1, 10 Windows Server 2008R2, 2012, 2012 R2, 2016, 2019
Microsoft WHQL Certified	Yes

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**Environmental**

Operating Temperature	-10C to 80C (14F to 176F)
Storage Temperature	-20C to 100C (-4F to 212F)
Humidity	5~85% RH

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**Physical Characteristics**

Material	Steel
Product Length	4.1 in [10.3 cm]
Product Width	4.7 in [12 cm]
Product Height	0.8 in [20 mm]
Weight of Product	2.2 oz [61 g]



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**Packaging  
Information**

Package Length	6.9 in [17.4 cm]
Package Width	5.6 in [14.3 cm]
Package Height	1.3 in [32 mm]
Shipping (Package) Weight	5.3 oz [149 g]

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**What's in the  
Box**

Included in Package	serial card
	low-profile brackets
	driver CD
	quick-start guide

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***\*Product appearance and specifications are subject to change without notice.***

