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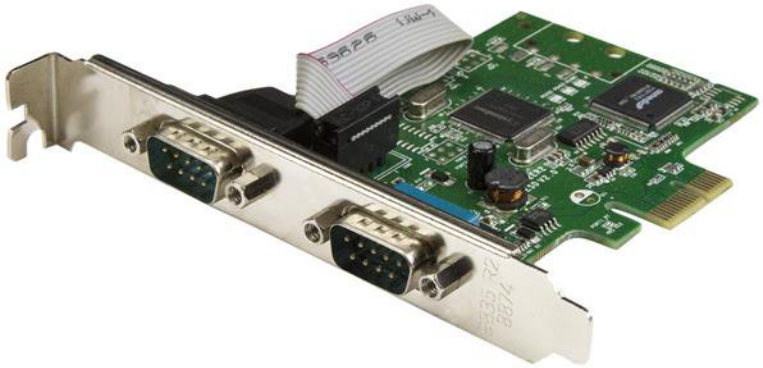
Data Sheet

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.

Convenient system upgrades through PCIe

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.

High-performance serial communication

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.

Easy installation

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

RoHS & REACH DOWNLOAD DECLARATION

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

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	SystemBase - SB16C1052PCI
	Interface	Serial
	Port Style	Integrated on Card
	Ports	2
Performance	Data Bits	5, 6, 7, 8
	FIFO	256 Bytes
	Full Duplex Support	Yes
	Max Baud Rate	460.8 Kbps
	Serial Protocol	RS-232
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	2 - DB-9 (9 pin, D-Sub) Male
Software	Microsoft WHQL Certified	Yes
	OS Compatibility	Windows® 95, 98SE, ME, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2008R2, 2012, 2012 R2, 2016
Environmental	Humidity	5~85% RH
	Operating Temperature	-10°C to 80°C (14°F to 176°F)
	Storage Temperature	-20°C to 100°C (-4°F to 212°F)
Physical Characteristics	Product Height	0.8 in [2 cm]
	Product Length	4.1 in [10.3 cm]
	Product Width	4.7 in [12 cm]
	Weight of Product	2.2 oz [61 g]
Packaging Information	Package Height	1.3 in [32 mm]
	Package Length	6.9 in [17.4 cm]
	Package Width	5.6 in [14.3 cm]
	Shipping (Package) Weight	5.3 oz [149 g]
What's in the Box	Included in Package	1 - serial card
		2 - low-profile brackets
		1 - driver CD

1 - quick-start guide

Product appearance and specifications are subject to change without notice.