2 Port RS232 PCI Express Serial Card with Power Output

Product ID: PEX2S952PW

The PEX2S952PW 2-Port PCI Express Serial Card (with Power Output) turns a PCI Express slot into 2 RS232 (DB9) serial connections and enables compatible devices to draw power from the serial ports.

Suitable for many RS232-powered serial applications, this PCIe serial card offers a selectable 5V or 12V power option capable of power output using pin 1, 4, 8 or 9, allowing you to configure the card to suit the requirements of your powered RS232 devices.

A flexible solution for adding serial ports to small form factor or full-sized systems, the 2-port serial card includes both low and full profile brackets and features a 4-layer PCB (with separate layers for data and ground) to greatly reduce signal noise and loss.

To ensure maximum performance, the serial card is based on a native single chip design, that allows you to harness the full capability of PCI Express (PCIe) - providing optimum reliability and speed while reducing the load applied to the CPU by as much as 48% over conventional (bridge chip) serial cards.

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

Certifications, Reports and Compatibility

Applications

• Monitor and control industrial machines on an assembly line or in a production environment

• POS retail applications in grocery stores, and any other retail store to control keyboards, cash drawers, receipt printers, card readers / card swipes, scales, and elevated displays on poles

• Bank teller workstations in either full profile or low profile versions to control their serial devices such as cash drawers, card readers / card swipes, printers, keypads / pinpads, pen pads

• Self service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers

• Used to control multiple surveillance / security cameras in a parking structure, office building, etc.

• Standard ATM automated teller machines to control keypads, receipt printer, card readers / card swipes, touchscreen LCD's, camera control, etc.

Features

• Two high speed RS232 serial ports with data transfer rate up to 460 Kbps

• Selectable voltage output of 5V or 12V

• Selectable power output via pin 1/4/8/9

• 4-layer PCB reduces signal noise and loss (separate data / ground layers)

• Native single-chip, single lane PCI Express architecture

• Compliant with PCI Express base specifications revision 1.1

• High Performance Dual Channel Oxford 16C950 UART

• 128-byte deep FIFO per transmitter and receiver

• 15KV ESD protection on all signal pins

Hardware

	Warranty	Lifetime
	Ports	2
	Interface	Serial
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Port Style	Dongle (Included)

Industry Standards	PCI Express 1.1	
Chipset ID	PLX/Oxford - OXPCIe952	

Performance

Maximum Data Transfer Rate	460.8 Kbps
Serial Protocol	RS-232
Max Baud Rate	460.8 Kbps
Data Bits	4, 5, 6, 7, 8
FIFO	128 Bytes
Stop Bits	1, 1.5, 2
Surge Protection	15KV ESD on all signal pins

Connector(s)

Connector Type(s)	1 - PCI Express x1
Internal Ports	1 - LP4 (4 pin; Large Drive Power)
External Ports	2 - DB-9 (9 pin, D-Sub)

Software

OS Compatibility	Windows 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), XP Embedded, CE 6.0 / 5.0
	Windows Server 2012, 2008 R2, 2003(32/64), 2000
	Linux 2.4.x / 2.6.x

Power

Output Voltage	12/5V DC

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 60C (4F to 140F)
Humidity	5~85% RH

Physical Characteristics

Color	Black	
Product Length	3.1 in [80 mm]	
Product Width	0.6 in [1.5 cm]	
Product Height	2.3 in [5.9 cm]	
Weight of Product	1.9 oz [54 g]	

Packaging Information

Package Length	6.7 in [17 cm]	
Package Width	5.6 in [14.2 cm]	
Package Height	1.2 in [30 mm]	
Shipping (Package) Weight	0.6 lb [0.3 kg]	

What's in the Box

Included in Package	1 - 2 Port Serial Card	
	1 - Breakout Cable	
	1 - Low Profile Bracket	
	1 - Driver CD	
	1 - Instruction Manual	

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