

2S1P Native PCI Express Parallel Serial Combo Card with 16550 UART

Product ID: PEX2S5531P



The PEX2S5531P 2S1P PCI Express Card turns a PCI Express slot into two RS232 (DB9) serial ports and one Parallel port. The adapter card features a native PCI Express single chip design that allows you to take advantage of full PCI Express capability, providing improved speed and reliability while reducing the load applied to the CPU by as much as 48% over conventional serial cards which use a bridge chip design.

Compatible with a broad range of operating systems including Windows 2000/XP/2003/Vista/Windows 7/Server 2008 R2 (32 and 64-bit), Linux Kernel 2.6.11 and up, and MAC OS 10.4, this 2 Port Serial 1 Port Parallel PCI-Express Card also features an optional low profile/half-height bracket that allows the card to be installed in virtually any computer case, regardless of the case form factor.

This product is a replacement for our PEX2S5521P card.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

- Self-service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers
- 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
- Standard ATM automated teller machines to control keypads, receipt printer, card readers / card swipes,

touchscreen LCD's, camera control, etc.

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

Features

- Two high speed RS232 serial ports with data transfer rate up to 460.8 Kbps
- One parallel port with data transfer rate up to 1.5 Mbps
- Compliant with PCI Express base specifications revision 1.0a
- 128-byte deep FIFO per transmitter and receiver
- Configurable in 5V, 12V, and RI (non-powered) modes
- Selectable power output on pin 9 for the serial port
- Native single-chip, single lane PCI Express
- Automated out-of-band flow control using CTS/RTS and DSR/DTR
- Automated in-band flow control using programmable Xon/Xoff in both directions

Hardware

Warranty	2 Years
Ports	2
Interface	Serial Parallel
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	IEEE 1284 PCI Express base specifications revision 1.0a
Chipset ID	ASIX - MCS9901CV-CC

Performance

Maximum Data Transfer Rate	RS-232 - 460.8Kbps Parallel - 1.5Mbps
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Serial Protocol	RS-232
Max Baud Rate	460.8 Kbps
FIFO	128 Bytes
Supported Protocols	EPP, ECP, SPP, PS/2

Connector(s)

Connector Type(s)	PCI Express x1
Internal Ports	LP4 (4 pin; Large Drive Power)
External Ports	DB-9 (9 pin, D-Sub) DB-25 (25 pin, D-Sub)

Software

OS Compatibility	Windows DOS, 95, 98SE, 2000, POS Ready 2009, Embedded System 2009, CE 5.0/6.0, XP Embedded, 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 Mac OS X 10.4 to 10.9 Linux 3.5.x to 4.11.x <i>LTS Versions only</i>
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Special Notes / Requirements

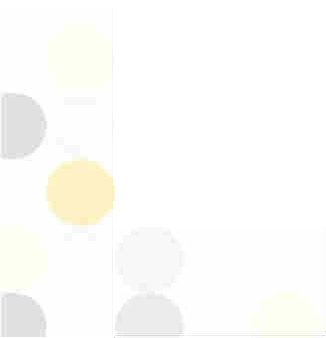
Note	Selectable power output on pin 9 of the serial port
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Environmental

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

Physical Characteristics

Material	Steel
Product Length	4.1 in [10.5 cm]
Product Width	4.7 in [12 cm]
Product Height	0.8 in [20 mm]



Weight of Product 4.0 oz [112 g]

Packaging Information

Package Length 6.9 in [17.4 cm]

Package Width 5.7 in [14.5 cm]

Package Height 1.2 in [31 mm]

Shipping (Package) Weight 7.3 oz [208 g]

What's in the Box

Included in Package 2 Port PCI-Express Serial Card

Parallel port (with ribbon cable)

Low Profile Brackets

Driver CD

Instruction Manual

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