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

StarTech 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 Lifetime warranty and free lifetime technical support.

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

Technical Specifications

Warranty	2 Years
Ports	2
Interface	Parallel
Interface	Serial
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	IEEE 1284
Industry Standards	PCI Express base specifications revision 1.0a
Chipset ID	ASIX/MosChip - MCS9901CV-CC
Connector Type(s)	1 - PCI Express x1 Male
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
External Ports	1 - DB-25 (25 pin; D-Sub) Female
External Ports	2 - DB-9 (9 pin; D-Sub) Male
Maximum Data Transfer Rate	RS-232 - 460.8Kbps Parallel - 1.5Mbps
Serial Protocol	RS-232
Max Baud Rate	460.8 Kbps
FIFO	128 Bytes
Supported Protocols	EPP, ECP, SPP, PS/2
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64), XP Embedded, POS Ready 2009, Embedded System 2009, CE 5.0/6.0, 2000, 98SE, 95, DOS Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.4 - 10.6 Linux
Note	Selectable power output on pin 9 of the serial port
Product Length	4.1 in [105 mm]
Product Width	4.7 in [120 mm]
Product Height	0.8 in [20 mm]
Product Weight	4.9 oz [140 g]
Operating Temperature	-10°C to 80°C (14°F to 176°F)

Shipping (Package) Weight	0.5 lb [0.2 kg]
Included in Package	1 - 2 Port PCI-Express Serial Card
Included in Package	1 - Parallel port (with ribbon cable)
Included in Package	3 - Low Profile Brackets
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

CE

FC

works with Linux

RoHS Compliant Available

works with Windows 7

works with Windows Server 2012

works with Windows 8