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Data Sheet

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 Lifetime warranty and free lifetime technical support.

Certifications, Reports and Compatibility

RoHS Compliant Available

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

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	ASIX - MCS9901CV-CC
	Industry Standards	IEEE 1284
		PCI Express base specifications revision 1.0a
	Interface	Parallel
		Serial
	Port Style	Integrated on Card
	Ports	2
Performance	FIFO	128 Bytes
	Max Baud Rate	460.8 Kbps
	Maximum Data Transfer Rate	RS-232 - 460.8Kbps Parallel - 1.5Mbps
	Serial Protocol	RS-232
	Supported Protocols	EPP, ECP, SPP, PS/2
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	1 - DB-25 (25 pin, D-Sub) Female
		2 - DB-9 (9 pin, D-Sub) Male
	Internal Ports	1 - LP4 (4 pin; Molex-type Large Drive Power) Male
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 Mac OS X® 10.4 to 10.9 Linux 3.5.x to 4.11.x *LTS Versions only*
Special Notes / Requirements	**Note**	Selectable power output on pin 9 of the serial port
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 [20 mm]
	Product Length	4.1 in [105 mm]
	Product Weight	4 oz [112 g]

	Product Width	4.7 in [120 mm]
Packaging Information	Shipping (Package) Weight	7.3 oz [208 g]
What's in the Box	Included in Package	1 - 2 Port PCI-Express Serial Card 1 - Parallel port (with ribbon cable) 3 - Low Profile Brackets 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.