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Data Sheet

1 Port Low Profile Native RS232 PCI Express Serial Card with 16550 UART

Product ID: PEX1S553LP



The PEX1S553LP PCI Express Serial Card turns a PCI Express slot into an RS232 (DB9) serial connection.

The card is constructed using a native single chip design that lets you harness the full capability offered by PCI Express (PCIe), while reducing the load applied to the CPU by as much as 48% over conventional bridge chip serial cards.

The PCI Express RS232 Serial Adapter Card is 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 to 4.11.x, and ships with a low profile/half-height bracket installed, but includes an optional full profile bracket that lets you add a serial port to virtually any computer (regardless of the case form factor).

This product is a replacement for our PEX1S552LP 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
- 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
- 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
- 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

- One high speed RS232 serial port with data transfer rate up to 460.8 Kbps
- Ships with half-height/low profile mounting bracket, includes standard bracket
- Selectable power output on pin 9 for the serial port
- Native single-chip, single lane PCI Express
- Single chip design optimizes speed and reliability
- Compliant with PCI Express base specifications revision 1.1a
- Automated out-of-band flow control using CTS/RTS and DSR/DTR
- Automated in-band software flow control using programmable Xon/Xoff in both directions
- 128-byte deep FIFO per transmitter and receiver

	Warranty	2 Years
Hardware	Bus Type	PCI Express
	Card Type	Low Profile (SP bracket incl.)
	Chipset ID	ASIX - MCS9922CV-AA
	Interface	Serial
	Port Style	Integrated on Card
	Ports	1
Performance	FIFO	128 Bytes
	Max Baud Rate	460.8 Kbps
	Serial Protocol	RS-232
Connector(s)	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	1 - DB-9 (9 pin, D-Sub) Male
	Internal Ports	1 - LP4 (4 pin, Molex Large Drive Power) Male
Software	Microsoft WHQL Certified	Yes
	OS Compatibility	Windows® DOS, 95, 98SE, 2000, CE 5.0/6.0, Embedded System 2009, POS Ready 2009, XP Embedded, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016 Mac OS X® 10.4 to 10.10 Linux kernel 2.6.x to 4.11.x *LTS Versions only*
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	1.6 oz [44 g]
	Product Width	3.1 in [80 mm]
Packaging Information	Shipping (Package) Weight	4.6 oz [130 g]
What's in the Box	Included in Package	1 - 1 Port PCI-Express Serial Card 1 - Full Profile Bracket 1 - Driver CD 1 - Instruction Manual

Product appearance and specifications are subject to change without notice.