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 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

• 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

• 256 Byte FIFO

Hardware

	Warranty	2 Years
	Ports	1
	Interface	Serial
	Bus Type	PCI Express
	Card Type	Low Profile (SP bracket incl.)
	Port Style	Integrated on Card
	Chipset ID	ASIX - MCS9922CV-AA

Performance

	Serial Protocol	RS-232
	Max Baud Rate	460.8 Kbps
	FIFO	TX: 1 Byte
		RX: 1-255 Byte (depending on mode)

Connector(s)

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

Software

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, 2019
	Mac OS X 10.4 to 10.10
	Linux kernel 2.6.x to 4.11.x <i>LTS Versions only</i>
Microsoft WHQL Certified	Yes

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	3.1 in [80 mm]
Product Height	0.8 in [20 mm]
Weight of Product	1.6 oz [44 g]

Packaging Information

Package Length	6.9 in [17.4 cm]
Package Width	5.6 in [14.3 cm]
Package Height	1.3 in [32 mm]
Shipping (Package) Weight	4.6 oz [130 g]

What's in the

Box

Included in Package	1 Port PCI-Express Serial Card
	Full Profile Bracket
	Driver CD
	Instruction Manual

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