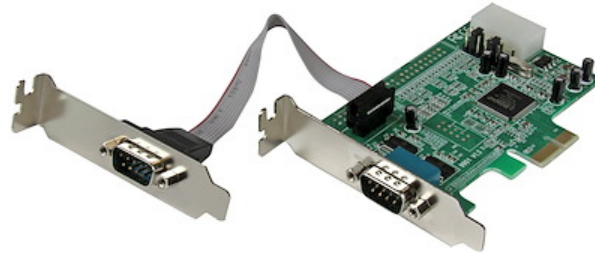2 Port Low Profile Native RS232 PCI Express Serial Card with 16550 UART

Product ID: PEX2S553LP

The PEX2S553LP low profile/half-height PCI Express Serial Card turns a PCI Express slot into two RS232 (DB9) serial connections.

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, and 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 2 serial ports to virtually any computer (regardless of the case form factor).

This product is a replacement for our PEX2S552LP card.

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

Certifications, Reports and Compatibility

Linux

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 optional standard profile bracket

• Single chip design optimizes speed and reliability

• Native single-chip, single lane PCI Express

• Selectable power output on pin 9 for the serial port

• 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

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	128 Bytes

Connector(s)

Connector Type(s)	1 - PCI Express x1
Internal Ports	1 - LP4 (4 pin; Large Drive Power)
External Ports	2 - 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, 11
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
	Mac OS X 10.4 to 10.10
	Linux kernel 2.6.x and up - <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

Color	Green
Material	Steel
Product Length	4.1 in [10.5 cm]

	Product Width	3.1 in [80 mm]
	Product Height	0.8 in [2 cm]
	Weight of Product	2.2 oz [63.5 g]

Packaging Information

	Package Quantity	1
	Package Length	6.8 in [17.3 cm]
	Package Width	5.6 in [14.3 cm]
	Package Height	1.3 in [32 mm]
	Shipping (Package) Weight	0.4 lb [0.2 kg]

What's in the Box

	Included in Package	1 - PCI-Express Serial Card
		1 - DB9 Ribbon cable
		1 - Full Profile Bracket
		1 - Low profile bracket
		1 - Driver CD
		1 - Instruction Manual

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