

# 1 Port Native PCI Express RS232 Serial Adapter Card with 16550 UART

Product ID: PEX1S553



The PEX1S553 PCI Express Serial adapter card allows you to turn 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 4.11x, as well as MAC OS X 10.4 and above. The adapter card includes an optional half-height/low 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 PEX1S552 card.

Backed by a StarTech.com Lifetime 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
- 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

- One high speed RS-232 serial port with data transfer rate support up to 460.8 Kbps
- Compliant with PCI Express base specifications revision 1.0a
- Includes half-height bracket for installation in low profile systems
- 128-byte deep FIFO per transmitter and receiver
- Selectable power output on pin 9 for the serial port
- Native single-chip, single lane PCI Express
- Automated in-band software flow control using programmable Xon/Xoff in both directions
- Automated out-of-band flow control using CTS/RTS and DSR/DTR

<b>Hardware</b>	Warranty	2 Years
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Chipset ID	ASIX - MCS9922CV-AA
	Interface	Serial
	Port Style	Integrated on Card
	Ports	1
<b>Performance</b>	FIFO	128 Bytes
	Max Baud Rate	460.8 Kbps
	Serial Protocol	RS-232
<b>Connector(s)</b>	Connector Type(s)	1 - PCI Express x1 Male
	External Ports	1 - DB-9 (9 pin, D-Sub) Male
<b>Software</b>	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 4.11x <i>LTS Versions only</i>
<b>Special Notes / Requirements</b>	<b>Note</b>	Selectable power output on pin 9 of the serial port
<b>Environmental</b>	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)
<b>Physical Characteristics</b>	Color	Green
	Product Height	0.8 in [20 mm]
	Product Length	4.1 in [105 mm]
	Product Weight	1.8 oz [51.5 g]
	Product Width	4.7 in [120 mm]
<b>Packaging Information</b>	Shipping (Package) Weight	0.4 lb [0.2 kg]
<b>What's in the Box</b>	Included in Package	1 - 1 Port PCI-Express Serial Card
		1 - Low Profile Bracket
		1 - Driver CD
		1 - Instruction Manual

Product appearance and specifications are subject to change without notice.