

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

StarTech ID: PEX1S552



The PEX1S552 PCI Express based 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 and up, as well as MAC OS 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.

Backed by a StarTech.com Lifetime warranty and free lifetime technical support.

### 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 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

**Technical Specifications**

Warranty	Lifetime
Card Type	Standard Profile (LP bracket incl.)
Ports	1
Interface	Serial
Bus Type	PCI Express
Port Style	Integrated on Card
Chipset ID	ASIX/MosChip - MCS9901CV-CC
External Ports	1 - DB-9 (9 pin; D-Sub) Male
Connector Type(s)	1 - PCI Express x1 Male
Maximum Data Transfer Rate	460.8Kbps
Serial Protocol	RS-232
OS Compatibility	DOS, Windows 95/ 98SE/ 2000/ XP(32/64bit)/ Server 2003(32/64bit)/ Vista(32/64bit)/ 7(32/64bit)/ Server 2008 R2, Linux, and Mac OS 10.4.x and up Windows XP Embedded/ POS Ready 2009/ Embedded System 2009 OS/ CE 5.0/ CE 6.0
Color	Green
Product Length	4.1 in [105 mm]
Product Width	4.7 in [120 mm]
Product Height	0.8 in [20 mm]
Product Weight	1.8 oz [51.5 g]
<b>Note</b>	Selectable power output on pin 9 of the serial port
Shipping (Package) Weight	0.4 lb [0.2 kg]
Included in Package	1 - 1 Port PCI-Express RS-232 Serial Card
Included in Package	1 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

