

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

*StarTech ID: PEX2S553*



The PEX2S553 PCI Express serial card lets you turn a PCI Express slot into 2 RS232 (DB9) serial ports. Based on a native single chip design (no bridge chip), this 2-port serial adapter card allows you to harness the full capability offered by PCI Express (PCIe), and reducing the load applied to the CPU by as much as 48% over conventional serial cards.

The RS232 Serial Adapter Card (PEX2S553) 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, and MAC OS 10.4 and above.

Plus, the serial card includes an optional half-height/low profile bracket that allows the card to be installed in any PCI Express slot, regardless of the size of the computer case.

This product is a replacement for our PEX2S552 card.

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

- Two high speed RS232 serial ports with support for data transfer rates up to 460.8 Kbps
- Compliant with PCI Express base specifications revision 1.0a
- Includes half-height/low profile mounting bracket
- Selectable power output on pin 9 for the serial port
- 128-byte deep FIFO per transmitter and receiver
- Native single-Chip, single lane PCI Express
- 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

Technical Specifications

Warranty	2 Years
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	ASIX/MosChip - MCS9922CV-AA
Interface	Serial
Port Style	Integrated on Card
Ports	2
FIFO	128 Bytes
Max Baud Rate	460.8 Kbps
Serial Protocol	RS-232
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - DB-9 (9 pin; D-Sub) Male
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
OS Compatibility	Windows® 8 / 8.1 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64), XP Embedded, POS Ready 2009, Embedded System 2009, CE 5.0/6.0, 2000, 98SE, 95, DOS Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.4 and up (Tested up to 10.10) Linux kernel 2.6.x
<b>Note</b>	Selectable power output on pin 9 of the serial port
Color	Green
Product Height	0.8 in [20 mm]
Product Length	4.1 in [105 mm]
Product Weight	2.2 oz [63.5 g]
Product Width	4.7 in [120 mm]
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)
Shipping (Package) Weight	0.4 lb [0.2 kg]
Included in Package	1 - 2 Port PCI-Express Serial Card

Included in Package 2 - Low Profile Brackets

Included in Package 1 - Driver CD

Included in Package 1 - Instruction Manual

## Certifications, Reports and Compatibility

