

## 2 Port Native PCI Express RS232 Serial Adapter Card with 16950 UART

StarTech ID: PEX2S952



The PEX2S952 PCI Express based serial card turns a PCI Express slot into 2 RS-232 (DB9) serial connections.

The adapter card is based on a native single chip design, that allows you to harness the full capability of PCI Express (PCIe) - providing optimum reliability and speed while reducing the load applied to the CPU by as much as 48% over conventional (bridge chip) serial cards.

The 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.

Plus, the adapter card includes an optional half-height/low profile bracket that allows the card to be installed in virtually any computer case – making it that much easier to add serial ports to a PCI Express enabled computer, regardless of the size of the computer case.

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 RS-232 serial ports with data transfer rate 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
- Native single-Chip, single lane PCI Express
- High Performance Dual Channel Oxford 950 UART
- 128-byte deep FIFO per transmitter and receiver
- Automated in-band software flow control using programmable Xon/Xoff in both directions
- Automated out-of-band hardware flow control using Tx/Rx/RTS/CTS/DSR/DTR/DCD/RI/GND

Technical Specifications

Warranty	Lifetime
Card Type	Standard Profile (LP bracket incl.)
Interface	Serial
Ports	2
Bus Type	PCI Express
Port Style	Integrated on Card
Chipset ID	PLX/Oxford - OXPCIe952
Connector Type(s)	1 - PCI Express x1 Male
Internal Ports	1 - LP4 (4 pin; Molex Large Drive Power) Male
External Ports	2 - DB-9 (9 pin; D-Sub) Male
Maximum Data Transfer Rate	460Kbps
Serial Protocol	RS-232
Data Bits	4, 5, 6, 7, 8
FIFO	128 bytes
Stop Bits	1, 1.5, 2
OS Compatibility	Windows 2000/ XP(32/64bit)/ Vista(32/64bit)/ 7(32/64bit), and Linux
Color	Green
Product Length	3.5 in [90 mm]
Product Width	2.6 in [65 mm]
Product Height	0.8 in [20 mm]
Product Weight	2 oz [58 g]
<b>Note</b>	Selectable power output on pin 9 of the serial port
Shipping (Package) Weight	0.2 lb [0.1 kg]
Included in Package	1 - 2 Port Serial Card
Included in Package	2 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

