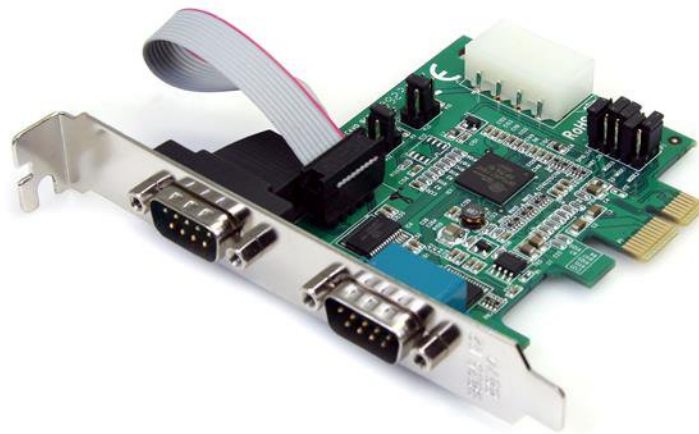# 2 Port Native PCI Express RS232 Serial Adapter Card with 16950 UART

Product 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® and Linux (Kernel 2.6.11 to 4.11.x).

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.

## 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

- 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

| Hardware | Warranty | Lifetime |
|---|---|---|
| | Bus Type | PCI Express |
| | Card Type | Standard Profile (LP bracket incl.) |
| | Chipset ID | PLX/Oxford - OXPCIe952 |
| | Interface | Serial |
| | Port Style | Integrated on Card |
| | Ports | 2 |
| **Performance** | Data Bits | 4, 5, 6, 7, 8 |
| | FIFO | 128 Bytes |
| | Max Baud Rate | 460.8 Kbps |
| | MTBF | 87,600 Hours |
| | Serial Protocol | RS-232 |
| | Stop Bits | 1, 1.5, 2 |
| **Connector(s)** | 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-type Large Drive Power) Male |
| **Software** | OS Compatibility | Windows® CE 6.0 / 5.0, 95, 98SE, 2000, XP, XP Embedded, Vista, 7, 8, 8.1, 10<br>Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016<br>Linux 2.4.x to 4.11.x *LTS Versions only* |
| **Special Notes / Requirements** | **Note** | Selectable power output on pin 9 of the serial port |
| **Environmental** | 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) |
| **Physical Characteristics** | Color | Green |
| | Product Height | 20 mm [0.8 in] |
| | Product Length | 90 mm [3.5 in] |
| | Product Weight | 60 g [2.1 oz] |
| | Product Width | 65 mm [2.6 in] |
| **Packaging Information** | Shipping (Package) Weight | 152 g [5.4 oz] |
| **What's in the Box** | Included in Package | 1 - 2 Port Serial Card |

2 - Low Profile Bracket

1 - Driver CD

1 - Instruction Manual

Product appearance and specifications are subject to change without notice.