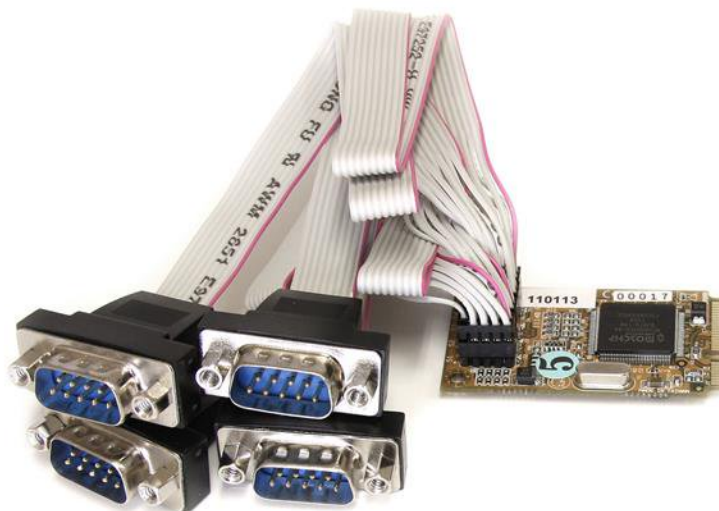# 4 Port RS232 Mini PCI Express Serial Card w/ 16650 UART

Product ID: MPEX4S552



The MPEX4S952 4-Port RS232 Mini PCI Express Serial Card (16650 UART) turns a mini-PCIe slot into four RS232 (DB9) serial ports with data rates up to 921.6 Kbps - a cost-saving solution for adding serial support to embedded systems missing the functionality.

A native PCIe single-chip design enables you to take advantage of full PCI Express bus capability, by providing improved speed and reliability while reducing the load applied to the CPU by as much as 48% over conventional "bridge chip" serial cards .

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

## Certifications, Reports and Compatibility

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## Applications

- Add serial ports to industrial embedded computers and systems
- Add RS232 serial control to an embedded or slim media center/media server/all-in-one PC
- Add RS232 serial ports to slimline POS systems

## Features

- Four high speed RS232 serial ports with data transfer rates up to 921.6 Kbps
- High Performance 16650 UART
- Includes 4x 30cm IDC to DB9 serial cables
- 256-byte deep FIFO per transmitter and receiver
- Native single-chip, single lane PCI Express
- In-band software flow control, using programmable Xon/Xoff in both directions
- Automated out-of-band hardware flow control using RTS/CTS
- Compliant with PCI Express base specifications revision 1.1

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|---|---|---|
| **Hardware** | Warranty | Lifetime |
| | Bus Type | Mini PCI Express |
| | Card Type | Embedded |
| | Chipset ID | ASIX - MCS9904CV-AA |
| | Industry Standards | PCI Express Base Specification, Revision 1.1 |
| | Interface | Serial |
| | Port Style | Dongle (Included) |
| | Ports | 4 |
| **Performance** | Data Bits | 5, 6, 7, 8 |
| | FIFO | 256 Bytes |
| | Flow Control | None, Xon/Xoff, RTS/CTS |
| | Max Baud Rate | 921.6 Kbps |
| | Parity | None, Odd, Even, Space, Mark |
| | Serial Protocol | RS-232 |
| | Stop Bits | 1, 1.5, 2 |
| **Connector(s)** | Connector Type(s) | 1 - Mini PCI Express x1 (52 pin) Male |
| | External Ports | 4 - DB-9 (9 pin, D-Sub) Male |
| **Software** | 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<br>Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016<br>Mac OS® 10.4 to 10.10<br>Linux 3.5.x to 4.11.x *LTS Versions Only* |
| **Environmental** | Humidity | 5~95% RH |
| | Operating Temperature | 0°C to 55°C (32°F to 131°F) |
| | Storage Temperature | -20°C to 85°C (-4°F to 185°F) |
| **Physical Characteristics** | Color | Green |
| | Product Height | 3 cm [1.2 in] |
| | Product Length | 51 mm [2 in] |
| | Product Width | 10 mm [0.4 in] |
| | Weight of Product | 150 g [5.3 oz] |
| **Packaging Information** | Package Height | 40 mm [1.6 in] |

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|---|---|---|
| | Package Length | 21.2 cm [8.3 in] |
| | Package Width | 14.5 cm [5.7 in] |
| | Shipping (Package) Weight | 0.2 kg [0.4 lb] |
| **What's in the Box** | Included in Package | 1 - 4 Port Mini-PCIe Serial Card |
| | | 4 - DB9 ribbon cable |
| | | 1 - Driver CD |
| | | 1 - Instruction Manual |

Product appearance and specifications are subject to change without notice.