

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

**Product ID:** PEX4S553



The PEX4S553 4-Port Native PCI Express RS232 Serial Adapter Card with 16550 UART lets you add 4 RS232 (DB9) serial ports, using a single PCI Express expansion slot.

Based on a native single-chip design, this 4-port serial adapter card allows you to 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 RS232 Serial Adapter Card includes 4 half-height/low-profile brackets, allowing the card to be installed into almost any PC case, regardless of form factor.

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

### Certifications, Reports and Compatibility



### Applications

- 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
- Self-service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers
- 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

- Four high speed RS232 serial ports, with support for data transfer rates up to 128000bps
- Native single-Chip, single lane PCI Express
- 256-byte deep FIFO per transmitter and receiver
- Includes half-height/low profile mounting brackets
- Built-in 16C450/550 compatible UART
- Compliant with PCI Express Base Specification 1.1

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### Hardware

|            |                                     |
|------------|-------------------------------------|
| Warranty   | Lifetime                            |
| Ports      | 4                                   |
| Interface  | Serial                              |
| Bus Type   | PCI Express                         |
| Card Type  | Standard Profile (LP bracket incl.) |
| Port Style | Integrated on Card                  |
| Chipset ID | ASIX - MCS9904CV-AA                 |

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### Performance

|                 |          |
|-----------------|----------|
| Serial Protocol | RS-232   |
| Max Baud Rate   | 128 Kbps |

|           |              |
|-----------|--------------|
| Data Bits | 5, 6, 7, 8   |
| FIFO      | 256 bytes    |
| Parity    | 5, 6, 7, 8   |
| MTBF      | 26,280 Hours |

#### Connector(s)

|                   |                         |
|-------------------|-------------------------|
| Connector Type(s) | 1 - PCI Express x1      |
| External Ports    | 4 - DB-9 (9 pin, D-Sub) |

#### 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, 11<br><br>Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022<br><br>Mac OS 10.4 to 10.10<br><br>Linux 3.5.x and up - LTS Versions only |
| Microsoft WHQL Certified | Yes                                                                                                                                                                                                                                                                     |

#### Power

|                |        |
|----------------|--------|
| Input Voltage  | 12V DC |
| Output Voltage | 12V DC |

#### Environmental

|                       |                          |
|-----------------------|--------------------------|
| Operating Temperature | 0C to 50C (32F to 122F)  |
| Storage Temperature   | -20C to 60C (4F to 140F) |
| Humidity              | 5~85% RH                 |

#### Physical Characteristics

|                |                 |
|----------------|-----------------|
| Color          | Green           |
| Material       | Steel           |
| Product Length | 5.1 in [13 cm]  |
| Product Width  | 4.7 in [12 cm]  |
| Product Height | 0.7 in [1.9 cm] |

|                   |               |
|-------------------|---------------|
| Weight of Product | 2.5 oz [72 g] |
|-------------------|---------------|

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#### Packaging Information

|                           |                  |
|---------------------------|------------------|
| Package Quantity          | 1                |
| Package Length            | 6.7 in [17.1 cm] |
| Package Width             | 5.6 in [14.3 cm] |
| Package Height            | 1.3 in [3.2 cm]  |
| Shipping (Package) Weight | 8.3 oz [234.0 g] |

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#### What's in the Box

|                     |                                           |
|---------------------|-------------------------------------------|
| Included in Package | 1 - 4 Port PCI-Express RS-232 Serial Card |
|                     | 1 - Bracket with 2 DB9 male ports         |
|                     | 4 - Low Profile Brackets                  |
|                     | 1 - Driver CD                             |
|                     | 1 - Instruction Manual                    |

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#### Warranty Information

|          |          |
|----------|----------|
| Warranty | Lifetime |
|----------|----------|

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***\*Product appearance and specifications are subject to change without notice.***