

8-Port PCI Express RS232 Serial Adapter Card - PCIe RS232 Serial Card - 16C1050 UART - Multiport Serial DB9 Controller/Expansion Card - 15kV ESD Protection - Windows & Linux

**Product ID:** PEX8S1050



Add eight RS-232 DB9 serial ports to your desktop computer, through a PCIe expansion card slots. This PCI express serial card, with 8-port breakout cable, provides you with multiple ports to connect a wide variety of serial peripherals, at speeds of up to 921.4Kbps.

The PCI express serial port card makes it easy to add serial ports to connect your peripherals including printers, scanners, credit/debit card readers, PIN pads and modems, industrial controls and more. The 8 port PCIe serial card includes a breakout cable - with 8 DB9 connectors.

With broad OS support, including for Windows and Linux, this PCI Express card is easy to integrate into mixed environments.

PEX8S1050 is backed by a StarTech.com lifetime warranty and free lifetime technical support.

## Certifications, Reports and Compatibility



## Applications

- Manufacturing (CNC machinery, process control equipment, bar code scanners, serial printers)

- POS (credit/debit card readers, receipt printers, bar code scanners, cash registers, scales)
- Consumer (modems, PDAs, digital cameras, printers)
- Security (UPS control, access key panels, video cameras, card readers, modems)
- Casino (video lottery terminals, slot machines)
- Environmental Control (lighting, temperature, clocks)
- Healthcare (patient monitoring equipment, nurses' stations, modems)
- Hotel Front Desk (serial printers, bar code scanners, keyboard, mouse, receipt printer, credit/debit card reader)
- Hospitality/Restaurant (credit card/debit card reader, serial printers)
- ISDN Networking

## Features

- **8 PORT SERIAL CARD:** Serial controller card w/ 16C1050 UART based on the Systembase SB16C1058PCI, w/15kV ESD, 8x DB9 ports, bi-directional RS232 speeds up to 921.6Kbps per port & 256 byte FIFO buffer; Upgraded version of our popular card PEX8S952
- **OPTIONAL CONFIGURABLE POWER:** Multiport serial card provides 12v/5v, or none on pin 9 w/up to 3A total shared; 18"/48cm DB62 to 8x DB9 breakout cable incl; Hex nuts incl for opt screw/nut DB9 interface
- **COMPATABILITY:** Full profile PCI-e 1x card and fully compliant w/ PCI Express Base Specifications, Revision 1.0a/1.1; Supports Windows (incl. XP and up) and Linux; For standard profile desktop/servers
- **VERSATILE APPLICATIONS:** PCI Express RS232 serial adapter card for within point of sale terminals, PLCs, control/automation in factories, scientific sensors, medical equipment, scanners, oscilloscope
- **STARTECH.COM ADVANTAGE:** IT professionals choice for over 30 years; PCIe RS232 Serial expansion card is backed for life by StarTech.com, incl. free 24/5 North America based multi-lingual tech support

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### Hardware

|            |                   |
|------------|-------------------|
| Warranty   | Lifetime          |
| Ports      | 8                 |
| Interface  | Serial            |
| Bus Type   | PCI Express       |
| Card Type  | Standard Profile  |
| Port Style | Dongle (Included) |

|                    |                            |
|--------------------|----------------------------|
| Industry Standards | 16C1050 UART               |
| Chipset ID         | ASMedia - ASM1083          |
|                    | System Base - SB16C1058PCI |

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#### Performance

|                        |  |
|------------------------|--|
| Serial Protocol        | RS-232   |
| ESD Protection         | +/-15kV (Air)<br>+/-8kV (Contact)  |
| Max Baud Rate          | 921.6 Kbps   |
| Data Bits              | 5, 6, 7, 8   |
| FIFO                   | TX: 1-255 Byte<br>RX: 1-255 Byte<br><i>&lt;i&gt;* Depending on mode and configurations&lt;/i&gt;</i> |
| Flow Control           | Software (XON/XOFF), Hardware (RTS/CTS), and Xoff Re-Transmit function                               |
| Parity                 | None, Even, or Odd   |
| Stop Bits              | 1, 1.5, 2  |
| General Specifications | Power on Pin 9: 12V DC, 5V DC or None  |
| MTBF                   | 160,013 hours  |

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#### Connector(s)

|                   |                         |
|-------------------|-------------------------|
| Connector Type(s) | 1 - PCI Express x1      |
| External Ports    | 8 - DB-9 (9 pin, D-Sub) |

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#### Software

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|------------------|---|
| OS Compatibility | Windows CE 5.0, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11<br>Windows Server 2003, 2008 R2, 2012, 2016, 2019<br>Linux 3.10.0-862 to 5.3.0 <i>&lt;i&gt;LTS Versions only&lt;/i&gt;</i> |
|------------------|---|

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#### Environmental

|                       |                            |
|-----------------------|----------------------------|
| Operating Temperature | 0C to 55C (32F to 131F)    |
| Storage Temperature   | -40C to 75C (-40F to 167F) |



Humidity 5~95% RH

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**Physical Characteristics**

|                   |                  |
|-------------------|------------------|
| Color             | Yellow           |
| Material          | Steel            |
| Cable Length      | 18.9 in [48 cm]  |
| Product Length    | 4.1 in [10.5 cm] |
| Product Width     | 0.6 in [1.6 cm]  |
| Product Height    | 4.7 in [12.0 cm] |
| Weight of Product | 2.6 oz [74.0 g]  |

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**Packaging Information**

|                           |                   |
|---------------------------|-------------------|
| Package Length            | 11.4 in [29.0 cm] |
| Package Width             | 7.5 in [19.0 cm]  |
| Package Height            | 2.6 in [6.5 cm]   |
| Shipping (Package) Weight | 23.7 oz [672.0 g] |

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**What's in the Box**

|                     |   |
|---------------------|---|
| Included in Package | 1 - PCIe Serial Card                                |
|                     | 1 - 18 in [48 cm] DB62 to 8 Port DB9 Breakout Cable |
|                     | 1 - Full Profile Bracket (Installed)                |
|                     | 1 - Quick Start Guide                               |
|                     | 8 - Optional DB9 Connector Hex Nut Pairs            |

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

