

## 16-Port Low-Profile Serial Card - RS232 - PCI Express

**Product ID:** PEX16S550LP



This PCI Express serial card adds 16 high-speed RS232 ports to your standard or low-profile desktop or server PC. This lets you maximize the number of available DB9 RS232 ports that are available for connecting your serial-based devices and equipment, while using only a single PCI Express (PCIe) slot. It's the perfect solution for adding the serial ports you need, even if your desktop PC or server only has a limited number of PCIe expansion slots.

You can install the serial card to add 16 high-performance DB9 RS232 serial ports from a single PCIe slot. With two breakout cables of 8 ports each, the PCIe serial card maximizes the density of DB9 RS232 ports on a server or desktop computer. It's ideal for system upgrades in a wide range of applications, including manufacturing equipment, POS equipment, security devices such as surveillance cameras, and environment or building control systems.

The serial card is compliant with PCI Express 1.0a specification, and it's compatible with 1x, 2x, 4x, 8x and 16x PCI Express slots.

The PCIe serial card delivers high-performance, high-speed serial communication, with support for data transfer rates of up to 921.6 Kbps.

The serial card is easy to install and configure, and compatible with a broad range of Windows and Linux operating systems. The card features IRQ sharing and supports plug-and-play serial device connections, which makes it convenient and easy to connect serial devices. It includes a low-profile bracket making it compatible with both full profile and low profile PC chassis slots.

The PEX16S550LP is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Control/monitoring of surveillance/security cameras and systems

- Industrial automation for factory/manufacturing floors
- Self-service automated machines and kiosks (in customer-facing areas such as grocery stores or airports) to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers
- POS applications 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/PIN pads, pen pads

## Features

- 16 DB9 RS232 ports from a single PCIe slot
- Enables high-speed serial communication with data transfer rates up to 921.6 Kbps
- Compatible with low- and full-profile desktop computers or servers
- Fully compliant with PCI Express 1.0a/1.1 specification, compatible with 1x, 2x, 4x, 8x, and 16x PCIe bus
- +/-15kV ESD protection
- Selectable power output (5V or 12V ) on pin 9 for the serial port
- Data Bits: 5, 6, 7, or 8-bit characters
- Windows and Linux support

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### Hardware

|                    |   |
|--------------------|---|
| Warranty           | 2 Years   |
| Ports              | 16  |
| Interface          | Serial  |
| Bus Type           | PCI Express   |
| Card Type          | Low Profile (SP bracket incl.)                                      |
| Industry Standards | PCI Express 1.1, PCI Power Management 1.2                           |
| Chipset ID         | ASMedia - ASM1083<br>SystemBase - SB4002A<br>SystemBase - SB16C1058 |

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## Performance

|                 |            |
|-----------------|------------|
| Serial Protocol | RS-232     |
| Max Baud Rate   | 921.6 Kbps |
| Data Bits       | 5, 6, 7, 8 |
| Stop Bits       | 1, 1.5, 2  |

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## Connector(s)

|                   |                     |
|-------------------|---------------------|
| Connector Type(s) | PCI Express x1      |
| Internal Ports    | SATA Power (15 pin) |
| External Ports    | DB-9 (9 pin, D-Sub) |

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## Software

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|------------------|--|
| OS Compatibility | Windows 7, 8, 8.1, 10<br>Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019<br>Linux 2.4.x to 5.3 LTS Versions only |
|------------------|--|

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## Environmental

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 55C (32F to 131F)   |
| Storage Temperature   | -20C to 75C (-4F to 167F) |
| Humidity              | 10~90% RH                 |

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## Physical Characteristics

|                   |                  |
|-------------------|------------------|
| Color             | Yellow           |
| Material          | Steel            |
| Product Length    | 6.6 in [16.8 cm] |
| Product Width     | 2.7 in [68.0 mm] |
| Product Height    | 0.9 in [22.0 mm] |
| Weight of Product | 2.5 oz [70.0 g]  |

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## Packaging Information

|                |                   |
|----------------|-------------------|
| Package Length | 11.5 in [29.3 cm] |
| Package Width  | 7.6 in [19.2 cm]  |

Package Height 2.8 in [70.0 mm]

Shipping (Package) Weight 2.5 lb [1.2 kg]

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**What's in the Box**

|                     |                     |
|---------------------|---------------------|
| Included in Package | serial card         |
|                     | low-profile bracket |
|                     | breakout cables     |
|                     | driver CD           |
|                     | quick-start guide   |

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

