

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

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 Windows only. 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 (installed), and a full-profile bracket (included in the package), making it compatible with both low profile and full profile PC chassis slots.

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
- Low Profile bracket installed and Standard (Full) bracket included
- 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
- Hex nuts included for optional screw or nut DB9 interface

Hardware

Warranty	2 Years
Ports	16
Interface	Serial
Bus Type	PCI Express
Card Type	Low Profile (SP bracket incl.)

Port Style	Dongle (Included)
Industry Standards	PCI Express 1.1, PCI Power Management 1.2
Chipset ID	ASMedia - ASM1083
	SystemBase - SB4002A
	SystemBase - SB16C1058LQ

Performance

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

Connector(s)

Connector Type(s)	1 - PCI Express x1
Internal Ports	1 - SATA Power (15 pin)
External Ports	16 - DB-9 (9 pin, D-Sub)

Software

OS Compatibility	Windows 7, 8, 8.1, 10, 11
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022

Environmental

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

Physical Characteristics

Color	Yellow
Material	Steel
Product Length	6.6 in [16.8 cm]

Product Width	2.7 in [6.8 cm]
Product Height	0.9 in [2.2 cm]
Weight of Product	2.5 oz [70.0 g]

Packaging Information

Package Quantity	1
Package Length	11.6 in [29.4 cm]
Package Width	7.6 in [19.4 cm]
Package Height	2.8 in [70.0 mm]
Shipping (Package) Weight	2.3 lb [1.0 kg]

What's in the Box

Included in Package	1 - Serial Card
	1 - Low Profile Bracket (installed)
	1 - Full Profile Bracket
	2 - Breakout Cables
	1 - Driver CD
	1 - Quick Start Guide
	16 - Optional DB9 Connector Hex Nut Pairs

Warranty Information

Warranty	2 Years
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**Product appearance and specifications are subject to change without notice.*