

2 Port Industrial PCI Express (PCIe) RS232 Serial Card w/ Power Output and ESD Protection

Product ID: PEX2S553S



The PEX2S553S 2-Port PCI Express Serial Card lets you add two ESD-Protected RS232 ports with 5V or 12V selectable power output, through a PCI Express slot.

Ideal for industrial environments, this 2-port serial card offers built-in 15KV ESD-protection which helps prevent damage to connected devices in the event of line surges and electro-static discharge. An extended operating temperature range (-30C to 75C) also helps to ensure performance in harsh environments.

For devices that require additional power, this serial controller has a jumper-selectable 5V or 12V power output option (pin 1 and/or pin 9), through an LP4 connection to your power supply. For added flexibility, the power output can be enabled or disabled on a per-port basis so you choose which port(s) supply power.

This versatile RS232 card supports high-speed serial data rates up to 921.6 Kbps, and is compliant with PCIe Gen 2.0 specifications for added bandwidth. To maximize installation options, the 2-port card is equipped with a standard profile bracket and includes an optional low-profile/half-height bracket for installation in small form factor computers.

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

Certifications, Reports and Compatibility

Applications

- Industrial machine monitoring/control on an assembly line or in a production environment
- POS retail applications in grocery stores or 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
- Used to control multiple surveillance / security cameras in a parking structure, office building, etc.
- ATM (Automated Teller Machine) installation for controlling keypads, receipt printers, card readers / card swipes, touchscreen LCD's, camera controls, etc.

Features

- 921.6 Kbps max baud rate
- 15KV ESD (Electro-Static Discharge) Surge Protection
- Jumper-selected 5V or 12V power output on Pin 1 and/or Pin 9
- Extended operating temperature range (-30C to 75C)
- Standard profile bracket installed, low profile included
- 256 Byte FIFO per transmitter and receiver
- PCI Express Base Specification 2.0 Compliant (backward compatible with 1.0a/1.1)

Hardware

Warranty	Lifetime
Ports	2
Interface	Serial
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Port Style	Integrated on Card
Industry Standards	PCI Express Base Specification 2.0
Chipset ID	Exar - XR17V352

Performance

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



FIFO	256 Bytes
Flow Control	None, Xon/Xoff, RTS/CTS, DTR/DSR
Parity	Even, Odd, Mark, Space, None
Stop Bits	1, 1.5, 2
Surge Protection	15KV ESD

Connector(s)

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

Software

OS Compatibility	Windows 2000, XP, Vista, 7, 8, 8.1, 10, 11 Windows Server 2003, 2008 R2, 2012 Linux 2.6.x to 4.4.x <i>LTS Versions only</i>
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Special Notes / Requirements

System and Cable Requirements	Available PCI Express slot Available LP4 power supply connector (if additional power is required for connected devices)
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Environmental

Operating Temperature	-30C to 75C (-22F to 167F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	5~95% RH (Non-Condensing)

Physical Characteristics

Product Length	4.8 in [12.1 cm]
Product Width	0.7 in [18 mm]
Product Height	3.9 in [98 mm]
Weight of Product	2.1 oz [59 g]

Packaging Information



Package Length	5.6 in [14.2 cm]
Package Width	6.7 in [17 cm]
Package Height	1.2 in [30 mm]
Shipping (Package) Weight	6.0 oz [171 g]

What's in the Box

Included in Package	PCI Express Serial Card
	Low Profile Brackets
	Driver CD
	Instruction Manual

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

