

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

StarTech 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 (-30°C to 75°C) 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.

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 (-30°C to 75°C)
- 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)

Technical Specifications

Warranty	Lifetime
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	Exar - XR17V352
Industry Standards	PCI Express Base Specification 2.0
Interface	Serial
Port Style	Integrated on Card
Ports	2
Connector Type(s)	1 - PCI Express x1 Male
External Ports	2 - DB-9 (9 pin; D-Sub) Male
Data Bits	5, 6, 7, 8
FIFO	256 Bytes
Flow Control	None, Xon/Xoff, RTS/CTS, DTR/DSR
Max Baud Rate	921.6 Kbps
Parity	Even, Odd, Mark, Space, None
Serial Protocol	RS-232
Stop Bits	1, 1.5, 2
Surge Protection	15KV ESD
OS Compatibility	Windows® 8 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64), 2000 Windows® Server 2012, 2008 R2, 2003(32/64) Linux Kernel 3.0, 2.6.32, 2.6.31, 2.6.27, 2.6.16
Product Height	3.9 in [98 mm]
Product Length	4.8 in [121 mm]
Product Weight	2.1 oz [59 g]
Product Width	0.7 in [18 mm]
Humidity	5~95% RH (Non-Condensing)
Operating Temperature	-30°C to 75°C (-22°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
System and Cable Requirements	Available PCI Express slot
System and Cable Requirements	Available LP4 power supply connector (if additional power is required for connected devices)
Shipping (Package) Weight	6 oz [171 g]
Included in Package	1 - PCI Express Serial Card
Included in Package	2 - Low Profile Brackets
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility

