4 Port Native PCI Express RS232 Serial Adapter Card with 16950 UART

StarTech ID: PEX4S952

The PEX4S952 4 Port Native PCI Express RS232 Serial Adapter Card with 16950 UART allows you to turn a PCI Express slot into 4 RS-232 (DB9) serial connections.

The four port serial card is based on a native single chip design, that harnesses the full capability of PCI Express (PCIe) - providing optimum reliability and speed, and reducing the load applied to the CPU by as much as 48% over conventional serial cards.

Offering compatibility with a broad range of operating systems including Windows®, Linux and Mac® OS for easy integration into mixed environments. Plus, an included optional low profile/half-height bracket that allows the card to be installed in virtually any computer case – making it that much easier to add serial ports to your PCI Express enabled computer, regardless of the case form factor.

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

Applications

- Self service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers
- POS retail applications in grocery stores, and 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
- Standard ATM automated teller machines to control keypads, receipt printer, card readers / card swipes, touchscreen LCD's, camera control, etc.
- Used to control multiple surveillance / security cameras in a parking structure, office building, etc.

Features

- Four high speed RS-232 serial ports with data transfer rate up to 460.8 Kbps
- Includes low profile/half height mounting bracket
- 128-byte deep FIFO per transmitter and receiver
- High Performance Oxford 16950 UART
- Native single-chip, single lane PCI Express
- Compliant with PCI Express base specifications revision 1.0a
- Selectable power output on pin 9 for the serial port
- Automated in-band software flow control using programmable Xon/Xoff in both directions
- Automated out-of-band hardware flow control using Tx/Rx/RTS/CTS/DSR/DTR/DCD/RI/GND

Technical Specifications

Warranty	Lifetime
Product Height	0.8 in [20 mm]
Product Length	3.5 in [90 mm]
Product Weight	2 oz [58 g]
Product Width	2.6 in [65 mm]
Bus Type	PCI Express
Card Type	Standard Profile (LP bracket incl.)
Chipset ID	PLX/Oxford - OXPCIe954
Interface	Serial
Port Style	Integrated on Card
Ports	4
Data Bits	5, 6, 7, 8, 9
FIFO	128 Bytes
Max Baud Rate	460.8 Kbps
MTBF	87,600 Hours
Serial Protocol	RS-232
Connector Type(s)	1 - PCI Express x1 Male
External Ports	4 - DB-9 (9 pin; D-Sub) Male
OS Compatibility	Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64), 2000, CE 6.0/5.0/4.2 Windows Server® 2012, 2008 R2, 2003 Linux 2.4.x +
Humidity	5~85% RH
Operating Temperature	-10°C to 80°C (14°F to 176°F)
Storage Temperature	-20°C to 100°C (-4°F to 212°F)
Shipping (Package) Weight	1 lb [0.5 kg]
Included in Package	1 - 4 Port Serial Card
Included in Package	1 - 4 Port DB9 Break-out cable
Included in Package	2 - Low Profile Bracket
Included in Package	1 - Driver CD
Included in Package	1 - Instruction Manual

Certifications, Reports and Compatibility