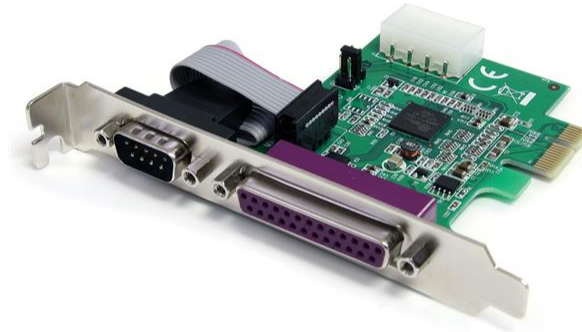1S1P Native PCI Express Parallel Serial Combo Card with 16950 UART

Product ID: PEX1S1P952

The PEX1S1P952 1S1P Native PCI Express Parallel/Serial Combo Card with 16950 UART turns a PCI Express slot into 1 RS232 (DB9) serial, and 1 parallel port.

The combo card features a native PCI Express single chip design that allows you to take advantage of full PCI Express capability, providing improved speed and reliability while reducing the load applied to the CPU by as much as 48% over conventional serial cards that use a bridge chip design.

This 1-Port Serial/1-Port Parallel card offers compatibility with a broad range of operating systems including Windows (32/64-bit) and Linux, for easy integration into mixed environments. The card also features an optional low profile/half-height bracket that enables you to install the card in virtually any computer case, regardless of form factor.

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

Certifications, Reports and Compatibility

Applications

• 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

• 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

• Self-service automated machines and kiosks to control serial devices such as scales, touchscreens, magnetic card readers, bar code scanners, receipt printers, label printers

• Standard ATM automated teller machines to control keypads, receipt printer, card readers / card swipes,

touchscreen LCDs, camera control, etc.

• Used to control multiple surveillance / security cameras in a parking structure, office building, etc.

Features

• 128-byte deep FIFO per transmitter and receiver

• Automated in-band flow control using programmable Xon/Xoff

• Compliant with PCI Express base specifications revision 1.1

• Native single chip, single lane PCI Express

• 1 high-speed RS232 serial port and 1 IEEE 1284 parallel port

• Supports x1,x2,x4,x8,x16(lane)PCI-Express connectors

• Selectable power output on pin 9 of the serial port

Hardware		
	Warranty	Lifetime
	Ports	2
	Interface	Serial
		Parallel
	Bus Type	PCI Express
	Card Type	Standard Profile (LP bracket incl.)
	Port Style	Integrated on Card
	Industry Standards	PCI Express base spec 1.1
		PCI Power Management 1.2
		IEEE 1284-compliant SPP/EPP/ECP
	Chipset ID	PLX/Oxford - OXPCIe952

Performance		
	Maximum Data Transfer Rate	1.5Mbps - Parallel
		115.2Kbps - Serial
	Serial Protocol	RS-232

Data Bits	5, 6, 7, 8, 9
FIFO	128 Bytes
Flow Control	Automated in-Band, Xon/Xoff
Parity	Even, Odd, Mark, Space, None
Stop Bits	1, 1.5, 2
MTBF	87,600 Hours

Connector(s)

Connector Type(s)	PCI Express x1
External Ports	DB-9 (9 pin, D-Sub)
	DB-25 (25 pin, D-Sub)

Software

OS Compatibility	Windows CE 6.0 / 5.0, 95, 98SE, 2000, XP, XP Embedded, Vista, 7, 8, 8.1, 10
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019
	Linux 2.4.x to 4.11.x <i>LTS Versions only</i>
Microsoft WHQL Certified	Yes

Special Notes / Requirements

Note	Selectable power output on pin 9 of the serial port

Power

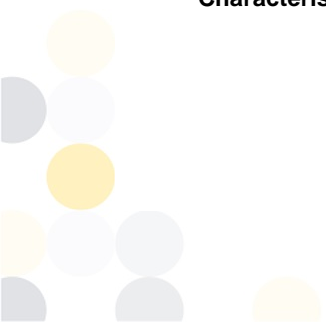|	
Power Consumption (In Watts)	0.2W

Environmental

Operating Temperature	-10C to 80C (14F to 176F)
Storage Temperature	-20C to 100C (-4F to 212F)
Humidity	5~85% RH

Physical Characteristics

Product Length	3.1 in [80.0 mm]
Product Width	0.5 in [12.0 mm]

Product Height	2.6 in [65.0 mm]	
Weight of Product	2.3 oz [64.0 g]	

Packaging Information

Package Length	6.9 in [17.4 cm]	
Package Width	5.7 in [14.4 cm]	
Package Height	1.2 in [31.0 mm]	
Shipping (Package) Weight	5.2 oz [148.0 g]	

What's in the Box

Included in Package	1S1P PCI-Express Serial Parallel Combo Card	
	Driver CD	
	Instruction Manual	
	Low Profile Brackets	

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