

2s1p Serial Parallel Combo Mini PCI Express Card for Embedded Systems

Product ID: MPEX2S1P552



The MPEX2S1P552 2S1P Mini PCI Express Serial/Parallel Combo Card turns a mini-PCIe slot into two RS232 (DB9) serial ports, and one IEEE 1284 parallel port - a cost-saving solution for adding serial and parallel support to embedded systems that lack built-in serial/parallel functionality.

The 16650 UART adapter card features a native PCI Express single chip design, which enables you to take advantage of full PCI Express capability, by providing improved speed and reliability while reducing the load applied to the CPU by as much as 48% over conventional "bridge chip" serial cards .

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

Certifications, Reports and Compatibility

Applications

- Add serial RS232 and IEEE 1284 parallel control to an embedded or slim media center/media server/all-in-one PC
- Additional ports to streamline POS systems
- Add two serial and one parallel port to industrial embedded computers and systems
- Connect to any motherboard with a mini PCIe slot

Features

- 256-byte deep FIFO
- 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
- Compliant with PCI Express base specifications revision 1.1
- Includes two 30cm IDC ribbon cables
- Native single-chip, single lane PCI Express
- Two RS232 serial ports, one IEEE 1284 parallel port
- 16650 UART

Hardware

Warranty	Lifetime
Ports	3
Interface	Serial Parallel
Bus Type	mini PCI Express
Card Type	Embedded
Port Style	Dongle (Included)
Industry Standards	PCI Express Base Specification, Revision 1.1
Chipset ID	ASIX - MCS9901CV-CC

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
Parity	None, Odd, Even, Space, Mark
Stop Bits	1, 1.5, 2

Connector(s)

Connector Type(s)	Mini PCI Express x1 (52 pin)
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External Ports	DB-25 (25 pin, D-Sub)
	DB-9 (9 pin, D-Sub)

Software

OS Compatibility	Windows DOS, 95, 98SE, 2000, POS Ready 2009, Embedded System 2009, CE 5.0/6.0, XP Embedded, 2000, XP, Vista, 7, 8, 8.1, 10
	Windows Server 2003, 2008 R2, 2012, 2016, 2019
	Mac OS X 10.4 to 10.9
	Linux 3.5.x to 4.11.x <i>LTS Versions only</i>
Microsoft WHQL Certified	Yes

Environmental

Operating Temperature	0C to 55C (32F to 131F)
Storage Temperature	-20C to 85C (-4F to 185F)
Humidity	5~95% RH

Physical Characteristics

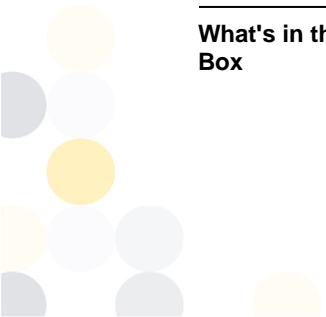
Color	Green
Product Length	2.0 in [50 mm]
Product Width	1.2 in [30 mm]
Product Height	0.3 in [8.5 mm]
Weight of Product	0.4 oz [10 g]

Packaging Information

Package Length	8.3 in [21 cm]
Package Width	5.7 in [14.5 cm]
Package Height	1.6 in [40 mm]
Shipping (Package) Weight	6.9 oz [195 g]

What's in the Box

Included in Package	2S1P Mini-PCIe Combo Card
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Ribbon cable - Serial

Instruction Manual

Driver CD

Ribbon Cable - Parallel

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

