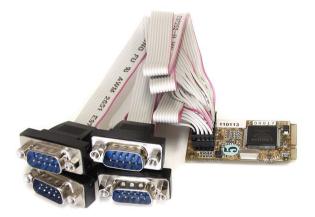4 Port RS232 Mini PCI Express Serial Card w/ 16650 UART

Product ID: MPEX4S552

The MPEX4S952 4-Port RS232 Mini PCI Express Serial Card (16650 UART) turns a mini-PCIe slot into four RS232 (DB9) serial ports with data rates up to 921.6 Kbps - a cost-saving solution for adding serial support to embedded systems missing the functionality.

A native PCIe single-chip design enables you to take advantage of full PCI Express bus 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 RS232 serial control to an embedded or slim media center/media server/all-in-one PC

• Add RS232 serial ports to slimline POS systems

• Add serial ports to industrial embedded computers and systems

Features

• 256-byte deep FIFO per transmitter and receiver

• In-band software flow control, using programmable Xon/Xoff in both directions

• Automated out-of-band hardware flow control using RTS/CTS

• Compliant with PCI Express base specifications revision 1.1

• High Performance 16650 UART

• Includes 4x 30cm IDC to DB9 serial cables

• Native single-chip, single lane PCI Express

• Four high speed RS232 serial ports with data transfer rates up to 921.6 Kbps

Hardware

Warranty	Lifetime
Ports	4
Interface	Serial
Bus Type	mini PCI Express
Card Type	Embedded
Port Style	Dongle (Included)
Industry Standards	PCI Express Base Specification, Revision 1.1
Chipset ID	ASIX - MCS9904CV-AA

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)
External Ports	DB-9 (9 pin, D-Sub)

Software

	OS Compatibility	Windows DOS, 95, 98SE, 2000, CE 5.0/6.0, Embedded System 2009, POS Ready 2009, XP Embedded, XP, Vista, 7, 8, 8.1, 10
		Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016
		Mac OS 10.4 to 10.10
		Linux 3.5.x to 4.11.x <i>LTS Versions Only</i>

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
	Material	Steel
	Product Length	2.0 in [51.0 mm]
	Product Width	0.4 in [10 mm]
	Product Height	1.2 in [30 mm]
	Weight of Product	5.3 oz [150 g]

Packaging Information

	Package Length	8.3 in [21.2 cm]
	Package Width	5.7 in [14.5 cm]
	Package Height	1.6 in [40 mm]
	Shipping (Package) Weight	7.1 oz [200 g]

What's in the Box

	Included in Package	4 Port Mini-PCIe Serial Card
		DB9 ribbon cable
		Instruction Manual

Product appearance and specifications are subject to change without notice.