1 Port Metal Industrial USB to RS422/RS485 Serial Adapter w/ Isolation

Product ID: ICUSB422IS

The ICUSB422IS 1 Port Metal Industrial USB to RS422/RS485 Serial Adapter w/ Isolation connects to a computer using USB and allows you to connect any RS-422 or RS-485 serial device via the provided DB9 port or hard-wired to the terminal block.

The USB to serial adapter features circuit isolation to ensure that sensitive controls and devices will not be damaged while connected, making it a viable solution for connecting costly industrial serial devices.

The RS422/485 Converter receives full power via the host USB connection, and provides power to the attached serial device without requiring an external power adapter. Designed to provide a durable serial solution, the USB to RS422/485 Converter is ruggedly constructed and can be mounted nearly anywhere.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility

Applications

• POS (credit/debit card readers, receipt printers, bar code scanners, cash registers, scales)

• Manufacturing (CNC machinery, process control equipment, bar code scanners, serial printers)

• Hotel Front Desk (serial printers, bar code scanners, keyboard, mouse, receipt printer, credit/debit card reader)

• Hospitality/Restaurant (credit card/debit card reader, serial printers)

• Hospital (monitoring equipment, nurses' stations)

• Security (UPS control, access key panels, video cameras, card readers)

Features

• Provides one RS422/485 port while powering the device through USB

• Optical Isolation and Surge Protection (2500 Vrms)

• Compatible with both USB 2.0 and USB 1.1

• RS-485 mode supports Auto Transceiver Turn Around (ATTA)

• RS422/485 Baud rate up to 921.6 Kbps

• Supports 4-wire RS422 and 2-wire RS485 applications

• Supports DB9 and terminal block connector

Hardware

	Warranty	2 Years
	Ports	1
	Interface	Serial
	Bus Type	USB 2.0
	Port Style	External Hub
	Chipset ID	FTDI - FT232RL

Performance

	Serial Protocol	RS-422/485
	Max Baud Rate	921.6 Kbps
	Data Bits	7, 8

FIFO	256 Byte Receive/128 Byte Transmit	
Parity	Even, Odd, Mark, Space, None	
Stop Bits	1, 2	
Isolation	2500 Vrms	
Surge Protection	500W	

Connector(s)

Connector Type(s)	1 - USB B (4 pin)
External Ports	1 - DB-9 (9 pin, D-Sub)
	1 - Terminal Block (5 Wire)

Software

OS Compatibility	Windows CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
	macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0
	Linux Kernel 3.0.x and up - <i>LTS Versions only</i>

Power

Power Source	USB-Powered
Input Voltage	5 DC
Input Current	200mA

Environmental

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

Physical Characteristics

Color	Black
Material	Steel

	Cable Length	6.0 ft [1.8 m]
	Product Length	4.6 in [11.8 cm]
	Product Width	2.5 in [6.4 cm]
	Product Height	0.9 in [2.3 cm]
	Weight of Product	6.4 oz [180 g]

Packaging Information		
	Package Quantity	1
	Package Length	8.2 in [20.8 cm]
	Package Width	5.7 in [14.6 cm]
	Package Height	1.6 in [4.0 cm]
	Shipping (Package) Weight	13.2 oz [374.0 g]

What's in the Box		
	Included in Package	1 - USB to RS422/485 Converter
		1 - 6ft USB A to B Cable
		1 - Driver CD
		1 - User Manual

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