

# 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
- RS-485 mode supports Auto Transceiver Turn Around (ATTA)
- Compatible with both USB 2.0 and USB 1.1
- RS422/485 Baud rate up to 921.6 Kbps
- Supports DB9 and terminal block connector
- Optical Isolation and Surge Protection (2500 Vrms)
- Supports 4-wire RS422 and 2-wire RS485 applications

<b>Hardware</b>	Warranty	2 Years
	Bus Type	USB 2.0
	Chipset ID	FTDI - FT232RL
	Interface	Serial
	Port Style	External Hub
	Ports	1
<b>Performance</b>	Data Bits	7, 8
	FIFO	256 Byte Receive/128 Byte Transmit
	Isolation	2500 Vrms
	Max Baud Rate	921.6 Kbps
	Parity	Even, Odd, Mark, Space, None
	Serial Protocol	RS-422/485
	Stop Bits	1, 2
	Surge Protection	500W
<b>Connector(s)</b>	Connector Type(s)	1 - USB B (4 pin) Female
	External Ports	1 - DB-9 (9 pin, D-Sub) Male 1 - Terminal Block (5 Wire)
<b>Software</b>	OS Compatibility	Windows® CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 macOS 10.6 to 10.15 Linux Kernel 3.0.x - 5.4.x (LTS Versions Only)
<b>Power</b>	Input Current	200mA
	Input Voltage	5 DC
	Power Source	USB-Powered
<b>Environmental</b>	Humidity	5~95% RH
	Operating Temperature	0°C to 55°C (32°F to 131°F)
	Storage Temperature	-20°C to 85°C (-4°F to 185°F)
<b>Physical Characteristics</b>	Cable Length	6 ft [1.8 m]
	Color	Black
	Material	Steel
	Product Height	0.9 in [2.3 cm]

	Product Length	4.6 in [11.8 cm]
	Product Width	2.5 in [64 mm]
	Weight of Product	6.4 oz [180 g]
<b>Packaging Information</b>	Package Height	6.3 in [16 cm]
	Package Length	9.1 in [23 cm]
	Package Width	1.8 in [45 mm]
	Shipping (Package) Weight	0.9 lb [0.4 kg]
<b>What's in the Box</b>	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.