

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

StarTech 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.

### 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

## Technical Specifications

Warranty	2 Years
Ports	1
Bus Type	USB 2.0
Chipset ID	FTDI - FT232RL
Connector Type(s)	1 - USB B (4 pin) Female
External Ports	1 - DB-9 (9 pin; D-Sub) Male
External Ports	1 - Terminal Block (5 Wire)
Serial Protocol	RS-422/485
Max Baud Rate	921.6 Kbps
Data Bits	7, 8
FIFO	128-byte transmit; 256-byte receive
Parity	Even, Odd, Mark, Space, None
Stop Bits	1, 2
Isolation	2500 Vrms
Surge Protection	500W
OS Compatibility	Windows® 98SE/ ME/ 2000/ XP(32/64bit)/ Server 2003(32/64bit)/ Vista(32/64bit)/ 7(32/64bit)/ Server 2008 R2, XP Embedded/ CE 4.2/ CE 5.0/ CE 6.0 Mac OS 8.x and up, and Linux
Color	Black
Enclosure Type	Steel
Product Length	4.6 in [11.8 cm]
Product Width	2.5 in [6.4 cm]
Product Height	0.9 in [2.3 cm]
Product Weight	6.4 oz [180 g]
Power Adapter Included	USB Powered
Input Voltage	5 DC
Input Current	200mA
Operating Temperature	05/23/2012eg;C to 555/23/2012eg;C (325/23/2012eg;F to 1315/23/2012eg;F)
Storage Temperature	-205/23/2012eg;C to 855/23/2012eg;C (-45/23/2012eg;F to 1855/23/2012eg;F)
Humidity	5~95% RH
Shipping (Package)	0.9 lb [0.4 kg]

Weight	
Included in Package	1 - USB to RS422/485 Converter
Included in Package	1 - 6ft USB A to B Cable
Included in Package	1 - Driver CD
Included in Package	1 - User Manual

**Certifications, Reports and Compatibility**

