

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
Cable Length	6 ft [1.8 m]
Color	Black
Enclosure Type	Steel
Product Height	0.9 in [23 mm]
Product Length	4.6 in [118 mm]
Product Weight	6.4 oz [180 g]
Product Width	2.5 in [64 mm]
Bus Type	USB 2.0
Chipset ID	FTDI - FT232RL
Interface	Serial
Port Style	External Hub
Ports	1
Data Bits	7, 8
FIFO	256 Bytes
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
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)
OS Compatibility	Windows® 10 (32/64), 8 / 8.1 (32/64), 7 (32/64), Vista (32/64), XP (32/64), 2000, 98SE, XP Embedded, CE (4.2+) Windows Server® 2012, 2008 R2, 2003 Mac OS® 10.x (tested up to 10.11) Linux 2.4.x / 2.6.x
Input Current	200mA
Input Voltage	5 DC
Power Source	USB-Powered
Humidity	5~95% RH
Operating	0°C to 55°C (32°F to 131°F)

Temperature

Storage Temperature -20°C to 85°C (-4°F to 185°F)

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

