

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

