

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

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

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

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, 11 ARM
	Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, 2025
	macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0, 15.0, 26.1
	Linux Kernel 3.0.x and up - LTS Versions only

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

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