



Technical Data Sheet

Single Port USB to RS422 / 485 adapter

Model Number: USB-COM-i



The USB-COM-i Industrial Single RS-422/485 Adapters are designed to make serial port expansion quick and simple. Connecting to a USB port on your computer or USB hub, the USB Serial Adapter instantly adds one industrial RS-422/485 multi-electrical interface serial communication port to your system. The adapter is designed with external switches to set RS-422 or RS-485 ports and different operation modes conveniently.

Features

- TAA Compliant.
- 512 byte receive buffer.
- 512 byte transmit buffer for high speed data throughput.
- Requires no IRQ, DMA, I/O port.
- Data rates: 300 bps to 921.6K bps.
- Auto transmit buffer control for 2-wire RS-485 half-duplex operation.
- Termination resistors and BIAS resistors installed
- Monitor LEDs of TxD, RxD indicating port status.
- No external power adapter required.
- Virtual COM port drivers available for Windows 7, 8, 8.1, and 10

Product Information

- **Model Number:** [USB-COM-i](#)
- **Packing List:**
 - USB-COM-i Serial Adapter
 - 3ft. USB-A male to USB-B male cable
 - Driver Disk
- **Optional Accessories:** N/A

Specifications

Overview

Interface	USB
Port Connections	1x DB-9 Male Port / 1 USB Type-B Female Port
Protections	Surge protection of 10KV
Protocol	RS-422 / 485 Serial
FTDI Chip	FT231XQ-R
Speed	up to 921.6K bps
Available Power Modes	USB Bus Powered, no external power adapter required
Color	Blue / Gray

Physical Features

LEDs	TxD and RxD
Construction	Plastic
Cable Length	3ft.
Dimensions	84.40(L)x72.99(W)x42.24mm(H)
Weight	.156 lbs
OS Support	Windows 7, Windows 8, 8.1 and Windows 10, Linux and Mac OS 10.X
Current Certifications	CE, FCC

Data Signals

RS-422	Tx-, Tx+, Rx+, Rx-, GND, RTS-, RTS+, CTS+, CTS-
RS-485	Tx-, Tx+, Rx+, Rx-(4 wire) and data-, data+ (2 wire)

Transmit & Receive

Transmit Buffer	512 bytes
Receive Buffer	512 bytes

Environment

Operating Temperature	0 to 55 °C (32 to 131 °F)
Operating Humidity	5 to 95% RH
Storage Temperature	-20 to 75 °C (-4 to 167 °F)

General Applications

Applications	Factory Automation, Data Centers, Serial Equipment, Kiosk, Office, and others.
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Product URL

USB-COM-I product page	https://www.coolgear.com/product/single-port-usb-to-rs422-485-adapter
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