



Technical Data Sheet

2 Port USB to RS-422 /485 Optical Isolated Adapter

Model Number: USB-2COMi-Si-M



The USB-2COMi-Si-M USB Industrial I/O Adapter provides instant connectivity to RS-422/485 communication device for factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminals, PC to PC long distance communications and serial communication in harsh environments.

Features

- TAA Compliant.
- Adds dual high speed RS-422 / 485 ports via USB connection.
- Each RS-422/485 port is individually optically isolated with 2000 Volt DC optical isolation.
- Each RS-422/485 port is individually protected by surge protector.
- Data rates: 300 bps to 1M bps.
- Termination and Bias resistors installed on-board.
- Monitor LEDs of Tx/D, Rx/D indicating port status.
- Compatible with USB 1.1 & 2.0 host port.
- Virtual COM port drivers available for Windows 7, Vista, 2003, XP.

Product Information

- **Model Number:** [USB-2COMi-Si-M](#)
- **Packing List:**
 - RS-422/485 2-Port Serial Adapter
 - 3ft USB Type-A to B Device Cable
 - DIN Rail Brackets
 - Jumpers
 - Driver Disk
- **Optional Accessories:** N/A

Specifications

Overview

Interface	USB 2.0 & USB 3.0 / Serial
Protections	2000 Volt DC optical isolation / Up to 25KV ESD
Port Connections	2x DB-9 Male / USB Type-B Female Upstream / 2x 5-Wire Terminal Connection
Protocol	RS-422 / RS-485
Data Rate	300 bps to 1M bps
Color	Black
Compliance	TAA
Certifications	CE, FCC

Physical Features

Construction	SECC Metal
Cable Length	3ft.
Dimensions	4.52(L)x3.30(W)x1.03in(H)
Weight	.668 lbs
OS Support	Supports Windows XP to 10, Server 2000 to Server 2016 (WHQL certified), Linux Kernel 2.4 and above

Serial Signals

RS-422 Data Signals	TX-, TX+, RX+, RX-, GND, RTS-, RTS+, CTS+, CTS-
RS-485 Data Signals	TX-, TX+, RX+, RX-(4 wire), and data-, data+(2 wire)

Serial COM Parameters

Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	Hardware (RTS/CTS) XON/XOFF
FIFO	128 byte transmit / 384 byte receive
USB Speed	12Mbps, full-speed USB

Power Modes

Input Power	Power supplied via USB (5V) connector No external power needed
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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-2COMi-Si-M product page	https://www.coolgear.com/product/2-port-usb-to-rs-422-485-optical-isolated-adapter
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