Technical Data Sheet

USB 2 to 4-Port RS232-422-485 Serial TB Adapter Isolation | Surge

Model Number: USB2-4COMi-Si-TB

The USB2-4COMi-SI-TB USB to quad industrial serial adapter is designed to connect to a USB port on your computer or USB hub, the USB to industrial serial adapter instantly adds four RS-232/422/485 multi-electrical interface serial communication ports to your system. The RS-232 or RS-422/485 port functions as a native Windows COM port, and it is compatible with Windows serial communication applications. The USB2-4COMi-SI-TB supports 3,000 Volt DC optical isolation, 15KV ESD protection, and 600W surge protection for all serial signals.

Features	Product Information

• TAA Compliant
• Chipset: FTDI FT4232H USB 2.0 to quad UART chip.
• Supports USB 1.1 and USB 2.0 transfer speeds from 1.5 up to 480 Mbps, automatic link and speed detection.
• Data rates: 300 bps to 921.6K bps.
• Each serial port supports 5-pin screw-lock-type terminal block connector.
• Auto-transmit buffer control for 2-wire RS-485 half-duplex operation.
• Biasing and Termination resistors installed on-board.
• Supports 3KV optical Isolation, 15KV ESD protection and 600W surge protection.
• AC to DC-12V, 1A switching power supply included.
	• **Model Number:** USB2-4COMi-Si-TB
	• **Packing List:**
	   o USB2-4COMi-SI-TB serial adapter
	   o Power Adapter
	   o USB Cable
	• **Optional Accessories:** N/A

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Specifications

OVERVIEW	
Product Type	USB to Serial Adapter
Electrical Protections	3KV Optical Isolation / 15KV ESD / 600W Surge Protection
Mountable	Surface Mounting
Construction	Industrial-grade Metal
Applications	Data Centers, Industrial Communication Systems, and others
Certs / Compliance	RoHS / TAA
CONNECTIONS	
Terminal Connector	Four 5-pin Terminal Ports
Type-B Upstream Ports	1 USB Type-B Female (screw lock compatible
9 – 48V DC Input Power	2-pin Terminal Block Connector
5V DC Output	2-pin Terminal Block Connector
SIGNALS	
RS-232 Wire Signals	RxD, TxD, GND
RS-422, RS-485 4-Wire Signals	TxD-, TxD+, RxD+, RxD-
RS-485 2-Wire Signals	data-, data+
SPEEDS	
USB	Supports USB 1.1 and USB 2.0 transfer speeds from 1.5 up to 480 Mbps, automatic link and speed detection.
Data Rates	300 bps to 921.6K bps.
Receive Buffer	2Kb
Transmit Buffer	2Kb
AVAILABLE POWER MODES	
Mode 1	External power supply 12V – 1.0A output / 100-240, 50 – 60Hz, .35A
ENVIRONMENTAL	
Operating Temperature	0 to 60°C
Operating Humidity	5 to 80% RH Non-Condensing
Storage Temperature	-40°C to 85°C (-4 TO 167°F)
DIMENSIONS	
Length	192.42 mm
Width	122.22 mm
Height	23.60 mm

OS SUPPORT	
Windows	Windows 10, 8.1, 8, 7, 2003 Server
LED	
Power	1
TxD	1 per port
RxD	1 per port
WARRANTY	
Warranty Period	1 year from date of purchase
PRODUCT URL	
USB2-4COMi-Si-TB Product Page	https://www.coolgear.com/product/usb-2-4-port-rs232-422-485-serial-tb-adapter-isolation-surge

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