



USB to Optical Adapter Industrial Isolated RS-232/422/485



Model No. USB-COMi-SI-M



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**RS-232 | RS-422 | RS-485 | 384 Bytes Receive |
128 Bytes Transmit**

- **Superior Build Quality:** Housed in a rugged steel chassis with built in mountable flanges, the serial adapter hub is perfect for installations in labs, warehouses, or heavy machinery.
- **Safe Industrial Connections:** Designed for use with Bar Code Scanners, Time Clocks, Label Printers, Point of Sale Terminals, Receipt Printers, and more the USB to Serial Adapter offers optically isolated 15kV surge protection for connected devices.
- **Effortless Port Configuration:** The adapter is designed with external dip switches to set RS-232, RS-422 or RS-485 ports and different operation modes conveniently.
- **COM Retention:** COM Ports are fully configurable, and after reboots, port assignments are preserved.
- **USB Power:** Power is drawn from a USB connection, no bulky power supply or power outlet is required.
- **Upstream:** 1 USB port, Type B Female Connector
- **Downstream:** 1 Male DB9 w/ nuts, 1 6-Pin Terminal Block
- **LEDs:** Power, TX / RX

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Questions? Speak to an engineering expert today!

Our on site engineers are ready to help you with your build.

☎ **1-727-209-1300** (Local) ✉ **expert@coolgear.com**



We Speak Your Speak - When you reach out to our support, you'll find yourself in the hands of a solution-oriented, knowledgeable expert ready to answer whatever question you throw at them. Go ahead, test us.

We're Ready For Integration, Every Time. - Coolgear streamlines the task of selecting charging and connectivity products. For over 20 years our rugged, off-the-shelf USB hubs and serial products are ready to go for your next project.

Within every great machine, lives Coolgear. - At Coolgear, we're just as passionate about building great products as you are. That's why we aim to meet or exceed your build specs every time.,

Advanced Engineering - Coolgear painstakingly sources high-quality components, oversees all manufacturing methods, and conducts rigorous testing to ensure all our products are industrial-grade. This

means greater duty cycle, zero data loss, and longer lasting builds. We promise.,

PRODUCT SPECIFICATIONS

Looking for product documentation?

[View CAD Models, Data sheet and Drawings here >](#)



Power	External Power Required	No
Compliance	Country of Origin	Taiwan
	Color	Black
	Item Dimensions (L × W × H)	2.83 × 2.24 × 0.87 in.
Physical Characteristics	Mounting Style	Din-Rail (Optional Bracket), Surface Mount
	Ports	1 Serial Port
	Material of Construction	Steel
	Screw Lock Compatible	Yes
	RS Signals	Data-, Data+, GND, RxD, TxD, GND, RTS, CTS, TxD-, TxD+, RxD+, RxD-, TxD-, TxD+, RxD+, RxD-, GND, RTS-, RTS+, CTS+, CTS-
	Serial Standards	RS232, RS422, RS485
Serial Attributes	Baud Rate	921.6K bps
	FIFO Receive	384 bytes
	FIFO Transmit	128 bytes
	Data Bits	5, 6, 7, 8
	Parity	None, Even, Odd, Mark, Space
	Stop Bits	1, 1.5, 2
	Flow Control	Hardware (RTS, CTS), XON/XOFF
Software	OS Support	Win 7, Win 8, Win 10, Win 11, Linux, Mac OSX
Environmental	Operating Temperature	0C to 55C
Product Information	Warranty	1 year from date of purchase
	Chipset	FTDI
Hardware	LED Indicators	Power, TX / RX
	Upstream USB Ports	1 Type-B Female USB
Performance & Safety	Isolated/Surge Protected	Yes
	Connector	5-Pin Terminal Block, DB9 Male w/ Nuts
	Chip Model	FT231XQ-R, MAX3089E
	Warranty	1 year from date of purchase
Other Data	UPC	729440690885
	USB Interface	USB 2.0
	Weight	.65 lbs
	Dimensions	5 × 4 × 2.5 in

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