



# 4-Port Industrial USB 2.0 to RS-232 / 422 / 485 Serial TB Adapter w/ Optical Isolation & Surge Protection



Model No. USB2-4COMi-SI-TB



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**RS-232 | RS-422 | RS-485 | 2,000 Bytes Receive |  
2,000 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 3KV optical Isolation, 15KV ESD protection & 600W surge protection.
- **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.
- **Power:** Power is drawn from the included 12V / 1A power adapter.
- **Upstream:** 1 USB port, Type B Female Connector
- **Downstream:** 4 5-pin Screw Lock Terminal Blocks
- **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 >](#)



|                     |                          |                                                                                       |
|---------------------|--------------------------|---------------------------------------------------------------------------------------|
| Identifier          | Product Type             | Adapters > USB > Serial                                                               |
|                     | Operating Temperature    | 0°C to 60°C (32 to 140°F)                                                             |
|                     | Storage Temperature      | -40°C to 85°C (-40°F to 185°F)                                                        |
| Environmental       | Humidity                 | 0% ~ 90% (non-condensing)                                                             |
|                     | Isolated/Surge Protected | Yes                                                                                   |
| Performance         | Chipset                  | FTDI                                                                                  |
|                     | LED Indicators           | Power, TX / RX                                                                        |
| Hardware            | Warranty                 | 1 year from date of purchase                                                          |
|                     | Input Voltage            | +12V DC                                                                               |
| Product Information | Power Source             | 2-Pin Terminal Block, AC Adapter Included                                             |
|                     | External Power Required  | Yes                                                                                   |
| Power               | OS Support               | Win 11, Win 10, Win 7, Win 8, Win 8.1, Win Vista                                      |
|                     | RS Signals               | Data-, Data+, GND, TxD-, TxD+, RxD+, RxD-, TxD-, TxD+, RxD+, RxD-, GND, TxD, RxD, GND |
| Software            | Serial Standards         | RS232, RS422, RS485                                                                   |
|                     | Baud Rate                | 921.6K bps                                                                            |
| Serial Attributes   | FIFO Receive             | 2,000 bytes                                                                           |
|                     | FIFO Transmit            | 2,000 bytes                                                                           |
|                     | Data Bits                | 7, 8                                                                                  |
|                     | Parity                   | None, Even, Odd, Mark, Space                                                          |
|                     | Stop Bits                | 1, 2                                                                                  |
|                     | Flow Control             | Hardware (RTS, CTS), XON/XOFF                                                         |
|                     | USB Type                 | USB 2.0                                                                               |
|                     | Upstream USB Ports       | 1 Type-B Female USB                                                                   |
| USB                 | Isolated/Surge Protected | Yes                                                                                   |
|                     | Screw Lock Compatible    | Yes                                                                                   |
|                     | Color                    | Black                                                                                 |
|                     | Mounting Style           | Din-Rail Mount, Surface Mount                                                         |
| Mechanical          | Ports                    | 4 Serial Ports, 1 USB Port                                                            |
|                     | Material of Construction | Steel                                                                                 |
|                     | Country of Origin        | Taiwan                                                                                |
|                     | Compliance               | RoHS, TAA                                                                             |
| Compliance          | Connector                | 5-Pin Terminal Block                                                                  |
|                     | UPC                      | 736983902443                                                                          |
| Other Data          | Weight                   | 2.000 lbs                                                                             |
|                     | Dimensions               | 11.250 × 5.687 × 2.500 in                                                             |

## Ready to Buy? Let's get to work!

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\*orders placed prior to 3:30pm EST

**1-888-688-2188 (Toll free)**

**[sales@coolgear.com](mailto:sales@coolgear.com)**

