Technical Data Sheet

USB 2.0 to RS-232/422/485 Selectable Industrial Serial Adapter w/ 15kV ESD Surge Protection

Model Number: USBG-COMi-M   **Rev 04.220314**

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. 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 15kV surge protection for connected devices. Power is drawn from a USB connection, no bulky power supply or power outlet is required.

Features

- The adapter is designed with external dip switches to set RS-232/422/485 ports and different operation modes conveniently.
- COM Retention: COM Ports are fully configurable and port assignments are preserved.
- Upstream: 1 USB port, Type B Female Connector
- Downstream: 1 Male DB9, w/ nuts, 1 6-pin Terminal Block
- LEDs: Power, TX / RX

Product Information

- Model Number: USBG-COMi-M
- Packing List:
    - Driver/Software Disk | USB Cable | USB Serial Adapter

Specifications

OVERVIEW

Product Type	Serial Adapter
Electrical Protections	15kv ESD Protection
Mountable	Surface Mount | Wall Mount
Material	Steel
Compliance	REACH | RoHS
LED indicators	Power | TX/RX
Chipset	FTDI FT231XQ

CONNECTIONS

USB Specification	USB 2.0
Upstream Port Type	USB 2.0 Type-B Female
Downstream Port Count	1
Downstream Port Type	6-pin Terminal | Male DB9 /W Nuts

SERIAL SPECS

Maximum Data Rate	921.6 Kbps
Minimum Data Rate	300 baud/bps
Data Bits	7, 8
Parity	None, Even, Odd, Mark, Space
Stop Bits	1, 2
Flow Control	Hardware (RTS, CTS), XON/XOFF
FIFO	512 bytes transmit and receive
Serial Modes	RS232 | RS422 | RS485
RS232 Signals	DCD, RxD, TxD, DTR, GND, DSR, RTS, CTS, RI
RS422 Signals	TxD-, TxD+, RxD+, RxD-, GND, RTS-, RTS+, CTS+, CTS-
RS485 2-wire Signals	Data-, Data+, GND
RS485 4-wire Signals	TxD-, TxD+, RxD+, RxD-, GND

Power

Input Voltage	5V DC
Max Power Draw	5V, 150mA on TB Pin5

Specifications Cont.

ENVIRONMENTAL

Operating Temperature	0C ~ 55C
Operating Humidity	5% to 95% RH
Storage Temperature	-20C ~ 75C
Country of Origin	Taiwan

PHYSICAL

Ship Weight	0.58 lbs
Item Weight	0.293 lbs
Length	3.23 inches
Width	2.99 inches
Height	0.91 inches

OS SUPPORT

Supported Operating Systems	Linux | OSX 10 | Windows 11 | Windows 10 | Windows 8 | Windows 7

WARRANTY

Warranty Period	1 Year

PRODUCT URL

USBG-COMi-M Product Page	https://www.coolgear.com/product/single-port-usb-to-rs-232-selectable-rs-422-or-rs-485-industrial-adapter

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