Technical Data Sheet

USB to RS-232 Selectable RS-422 – RS-485 Industrial Adapter

Model Number: USB-COMi-M

The USB-COMi-M adds one RS-232, RS-422 or RS-485 serial port by connecting to a USB port; 6-pin terminal block and a DB9 male connector are available for optimal flexibility for serial connection. Supplies power output of 5V/150mA through pin-5 of the terminal block to serial device. The USB to Industrial Serial Adapter provides instant connectivity to RS-232/422/485 communication devices for factory automation equipment, multi-drop data collection devices, barcode readers, time clocks, scales, data entry terminals, PC to PC long distance communications, ATMs and serial communication in harsh environment.
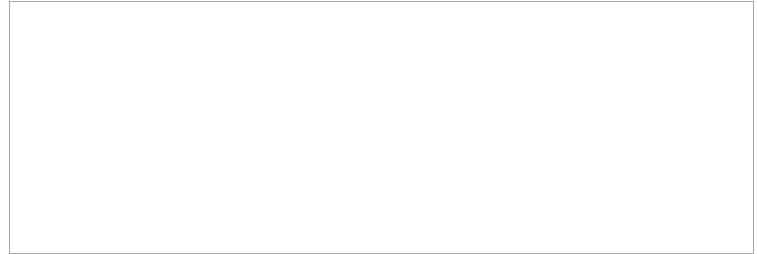
Features

- TAA Compliant
- Adds a high speed RS-232/ 422 / 485 serial port via USB connection.
- 384 byte receive buffer.
- 128 byte transmit buffer for high speed data throughput.
- Requires no IRQ, DMA, I/O port.
- High speed serial port with the baud rate up to 921.6K bps.
- Data rates: 300 bps to 921.6K bps.
- Auto transmit buffer control for 2-wire RS-485 half-duplex operation.

Product Information

- **Model Number:** USB-COMi-M
- **Packing List:**
  - USB-COMi-M 2-Port RS-232/422/485 Serial Adapter
  - 3ft. USB-A male to USB-B male cable
  - Driver Disk
- **Optional Accessories:** N/A

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- Termination resistors installed on-board.
- Monitor LEDs of TxD, RxD indicating port status.
- External 4-pin dip switch to set RS-232, RS-422, or RS-485 modes
- Virtual COM port drivers provided for Windows 7, Vista, 2003, XP,2000.

Specifications

Overview	
Interface	USB to Serial (Works with USB 1.1 & 2.0 host port)
Port Connections	1x DB-9 Male / 6-wire terminal connection
Protections	Surge protection of 10KV
Protocol	RS-232/422/485 Serial
Speed	up to 921.6K bps
Color	Black
Compliance	TAA Compliant
Physical Features	
LEDs	TxD and RxD
Construction	SECC Metal
Cable Length	3ft.
Dimensions	77.18mm(L to DB-9 connector) x 58.18mm(81.37 w/ears) x 22.55mm(H)
Weight	4.7 oz
OS Support	Windows XP, Vista, Windows 7, Windows 8, and Windows 10, Linux and Mac OS 10.X
Current Certifications	RoHS, FCC, CE, WEEE
Power	
Input	Input power: USB Self Power (500mA, 5V)
Output	Output power: 150mA, 5V power output for external devices requiring power.
Signals	
RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	TxD-, TxD+, RxD+, RxD-, GND, RTS-, RTS+, CTS+, CTS-
RS-485 4-Wire	TxD-, TxD+, RxD+, RxD-
RS-485 2-Wire	Data-, Data+ (Automatic transmit and receive control for 2-wire RS-485 half-duplex mode)
Transmit	128 byte transmit FIFO
Receive	384 byte receive FIFO
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	Communication devices for factory automation equipment, multi-drop data collection devices,

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	barcode readers, time clocks, scales, data entry terminals, PC to PC long distance communications, ATMs and serial communication.
Product URL	
USB-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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