



Technical Data Sheet

USB 2.0 to Serial High-Speed RS-232 Industrial Adapter

Model Number: USB-COM-M



The USB-COM-M is an industrial USB 2.0 to Serial Adapter with a rugged industrial-grade metal chassis, which allows it to be mounted, convert any host USB port into an RS-232 Serial port. This USB 2.0 to Serial Adapter provides instant connectivity with modems, ISDN TAs, PDAs, handheld & pocket PCs, digital cameras, POS, serial printers giving RS-232 modem control signals and hardware/software flow control.

Features

- TAA Compliant.
- SECC metal chassis with DIN rail bracket.
- Full RS-232 modem control signals and hardware/software flow control.
- High speed serial port with the baud rate up to 921.6K bps.
- Non-standard baud-rates supported.
- LED's of Power, TxD and RxD for easy port monitoring and diagnostics.
- Chipset: Utilizes an FTDI CHIPSET FT232BL.
- COM port number assigned can be changed to any COM port number required.
- Virtual COM port drivers provided for Windows 7, Vista, 2003, XP, 2000.

Product Information

- **Model Number:** [USB-COM-M](#)
- **Packing List:**
 - USB to Serial RS-422/485 Optical Adapter
 - 3ft. USB-A male to USB-B male cable
 - Driver Disk
- **Optional Accessories:** N/A

- Works with USB 1.1 & 2.0 host port.

Specifications

Overview

Interface	USB to Serial
Port Connections	1x DB-9 Male / 1USB Type-B Female
USB Speed	USB 1.0 / 1.1 compliant, USB 2.0 compatible
Protocol	RS-232
FTDI Chip	FT231XQ-R
Baud Rate	up to 921.6K bps
Available Power Modes	USB Bus Powered, no external power adapter required
Color	Black
Compliance	TAA
Safety Approvals	EN55022 Class B, EN55024, EN61000-3-2, EN61000-3 IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11. CISPR PUB. 22 and FCC Part 15 Class B.

Physical Features

Construction	SECC Metal
Cable Length	3ft.
Dimensions	82mm x 76mm x 23mm (with DIN rail bracket)
Weight	.293 lbs
OS Support	Windows 10, 8, 7, Vista, 2003, XP (WHQL certified) and 2000, 32 and 64 bit versions, Linux Kernel 2.4 and up
Current Certifications	CE, FCC, RoHS

Signals

RS-232 Data Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI
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Serial COM Parameters

Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS, XON/XOFF
FIFO	512 byte transmit FIFO / 512 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	Remote Access, Retail & Industrial Data Center, Modem, POS, Printer, BarCode Scanners, Time Clocks – Industrial serial RS-232 protocol applications
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Product URL

USB-COM-M	https://www.coolgear.com/product/usb-2-0-to-serial-high-speed-rs-232-industrial-adapter-metal-
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