



Industrial 8-Port DB-9 RS232 to USB Adapter High-Speed FTDI Chip

Product Manual



Coolgear, Inc.

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Model Number: USBG-8COM-M

Revision History

Revision	Date	Author	Comments
1.1	03/08/2018	Coolgear	New Manual

About this document

This product manual outlines installation and features of the USBG-8COM-M Industrial 8-Port DB-9 RS232 to USB Adapter High-Speed FTDI Chip.

Scope

The scope of this manual is to give the user of the product an understanding of its use with detailed diagrams and verbiage. The manual allows the users to apply the product to their application.

Intended Audience

This product is intended for use in numerous industries including but not limited to applications such as; Factory Automation, Multi-Drop Collection, Serial Equipment, Kiosk, Office, and others.

Product Support

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1. Introduction

This USBG-8COM-M RS232 to USB Multi Serial Port Adapter is an intelligent module that connects to a PC or server via the Universal Serial Bus (USB), providing high-speed serial connectivity. The serial ports are fully optically isolated and surge protected. With its rigid metal case, it is an ideal solution for most critical applications.

WEIGHT	1.193 lbs
DIMENSIONS	6.83(L) x 3.83(W) x 1.70in(H)
UPC	729440626983
WARRANTY	1 year from date of purchase
COLOR	Black
PORTS	8 DB-9 Serial Port

1.1 Features

<ul style="list-style-type: none"> • TAA Compliant • Provides 8 DSUB-9 RS-232 Serial Ports over USB. • Baud rates from 300 bps to 921.6Kbps. • Supports 7, 8 Data Bits. • Odd, Even, Mark, Space, or None parity mode. • Supports 1, or 2 Stop Bits. • Supports USB Bus Power. 	<ul style="list-style-type: none"> • DC Jack for optional DC 5V Power Input. • Optional setting to provide +5v DC power over pin #9 of the DB9 RS232 Connectors. • Supports Windows 10, 8, 7, Vista, 2003, XP, 2000.
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1.2 Adapter Diagram



Figure 1

1.3 Plugging in the Adapter

- 1) Connect the AC/DC Adapter if your USB bus power is not enough to drive the whole unit.
- 2) Plug the Type-A end of the USB cable into the USB Host Port of your PC or into an available USB port on a USB Hub.
- 3) Plug the Type-B end of the USB cable into the back of this unit.
- 4) Proceed with the next section “Installing Drivers” to install the virtual COM port drivers for your Operating System.

2. Installing Drivers

The RS-232 Multi-Port serial adapter can be hot-plugged to the USB port of your computer due to the specifications of USB. It supports the following operating systems. The drivers are shipped in the following folder on the supplied driver CD.

1) Driver Locations on the CD

These instructions are for installing the drivers from the CD supplied with the product. If you are installing drivers for Win98, ME, 2000, or XP, when prompted for the location of the drivers, specify your CD-ROM drive and the locations according to the following table:

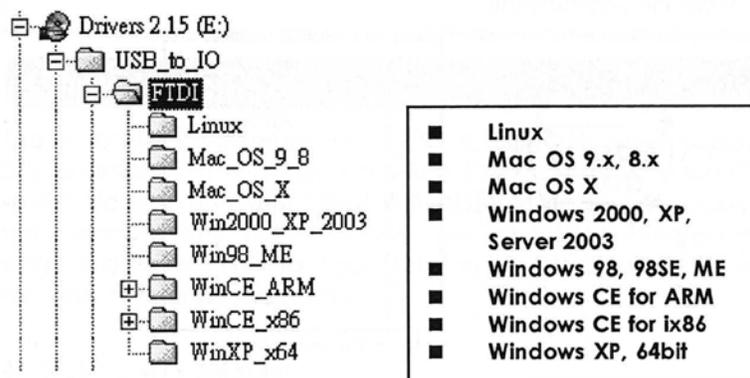


Figure 2

2) Installing Serial Port Drivers for Win98, ME, 2000, XP

- Insert the Driver CD supplied with the Adapter
- Connect the USB cable, the “Add New Hardware Wizard” appears. Click Next.
- Select “Search for the best driver for your device” and click Next.
- Assuming the CD-ROM is in drive E:, select “Specify a location” and browse to the following folder: **E:\USB_to_IO\FTDI\Win2000_XP_2003** (for Win2000, XP or server 2003) or **E:\USB_to_IO\FTDI\Win98_ME** (for Win98 and ME)
- Click **Next**, Windows will then copy the driver files.
- Click **Finish** to complete the driver installation.
- After installing the drivers, Windows will detect the new COM ports and will begin to initialize them. Your new COM ports, numbered sequentially following the existing ports in your system, and they are now ready!

3. DB9 Pin Assignments and Cable Wiring

DB9-Male Pin Assignment

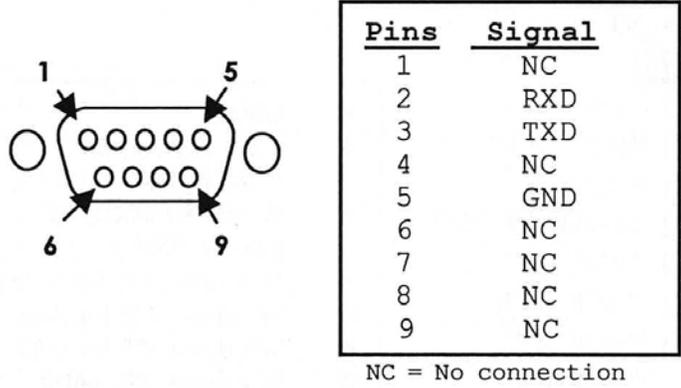


Figure 3

DB9-Male to DB9 Male Cable Wiring

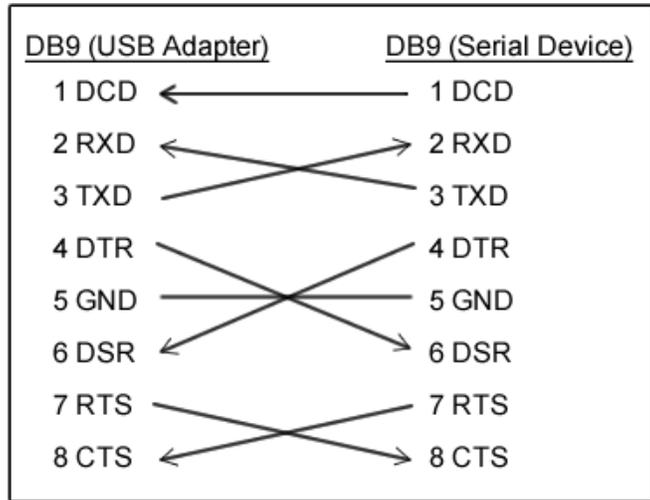


Figure 4

4. Notes, Tips, and Warnings

Note	N/A
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Tip	N/A
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Warning	N/A
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Safety	
	<ul style="list-style-type: none">• Read the entire Product Manual before implementing this product for your application. This manual contains important information about electrical connections that must be followed for safe and proper operation.• Inspect the product closely for visual defects before putting it to use.• Keep away from areas where moisture builds, this product contains electrical components that can be damaged by moisture build up, this can adversely affect your equipment connected to it.• Do not disassemble the product. Handling the product's internal components can expose it to ESD (Electro-Static Discharge) hazards that can affect the function of the device.• If this product is not functioning properly, email our support team at support@coolgear.com.

5. Supporting References

Document	Link
Website Product Page	https://www.coolgear.com/product/industrial-8-port-db-9-rs232-to-usb-adapter-high-speed-ftdi-chip-921-6kbps

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