



USB BAY-4 Port Serial DB-9 RS-232 Adapter with FTDI Chipset

Product Manual

Coolgear, Inc.

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Model Number: USBG-BAY4



Revision History

Revision	Date	Author	Comments
1.0	03/6/2018	Coolgear	New Manual

About this document

This product manual outlines installation and features of the USBG-BAY4 USB BAY-4 Port Serial DB-9 RS-232 Adapter with FTDI Chipset.

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; Remote Access, Retail & Industrial Data Centers, Serial Equipment, Kiosk, Office, and others.

Product Support

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1. Introduction

The RS232 to USB Multi Serial Adapter (USBG-BAY4), is an intelligent expansion module that connects to a PC or server via the Universal Serial Bus (USB), providing high-speed serial connectivity. The serial ports are fully compatible with RS232 standard by the bundled virtual COM port drivers. With its rigid metal case and USB Screw Lock Mechanism, it is an ideal solution for most critical applications.

WEIGHT	.643 lbs
DIMENSIONS	6.83”(L) x 3.83”(W) x 0.96”(H)
UPC	729440626976
WARRANTY	1 year from date of purchase
COLOR	Black
PORTS	4 DB-9 Male Serial Port / 1 USB Type-B Female Port

1.1 Features

- | | |
|---|--|
| <ul style="list-style-type: none"> • TAA Compliant • Provides 4S RS232 Serial Ports over USB Port. • Provides 4 DSUB-9 Connectors. • Baud Rate 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. | <ul style="list-style-type: none"> • Supports USB Bus Power. • DC Jack for Optional DC 5V Power Input. • Optional Settings to Provide +5VDC power over pin#9 of the DB9 RS232 Connectors. • Supports Optional DIN RAIL Mounting Brackets. • Supports Windows XP, Vista, Windows 7, Windows 8, and Windows 10, Linux and Mac OS 10.X |
|---|--|

2. Connector Layout



2.1 Plugging In the Adapter

- 1) 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.
- 2) Plug the Type-B end of the USB cable into the back of this unit.
- 3) Proceed with the next section “Installing Drivers” to install the virtual COM port drivers for your Operating System.

3. Installing Drivers

The Adapter Cable 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:

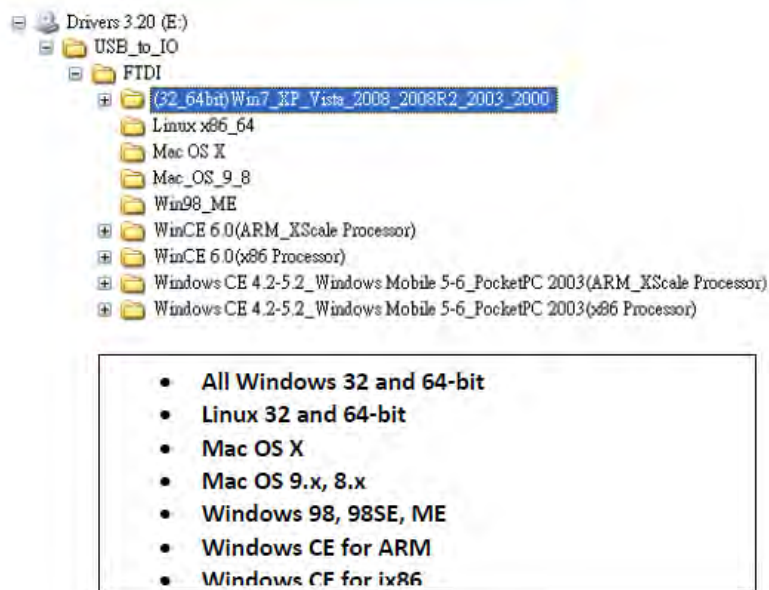


Figure 2

2) Installing Drivers for (32-bit and 64-bit) Win7, XP, Vista, 2008, 2003 and 2000:

- Insert the Driver CD supplied with the Adapter Cable.
- Run (or double click) the Installer Program (e.g. **CDM20600.exe**) in the following folder of the driver CD: **\USB_to_IO\FTDI\
(32_64bit)Win7_XP_Vista_2008_2008R2_2003_2000**
- Follows the instructions of the installer program to complete the setup procedures.
- Plugging the Adapter Cable will hook the drivers into the Windows kernel automatically.

4. DB-9 Connector and Wiring

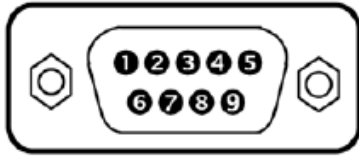


Figure 3

<u>9 Pins</u>	<u>Signal</u>
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

DB-9 (Male) to (Male) Wiring

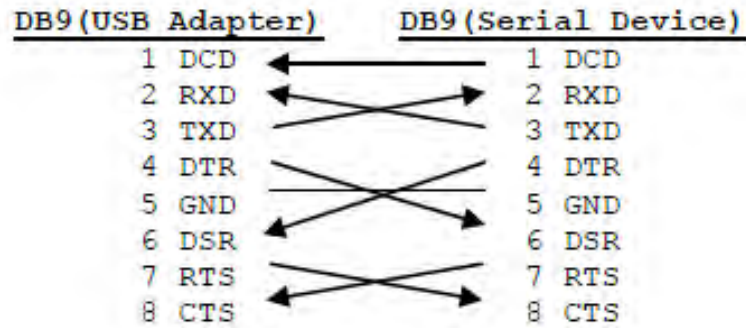


Figure 4

5. Environmental Specifications

Power Requirements:	5V DC, 250mA (max)
Operating Temperature:	0 to 55°C (32 to 131°F)
Operating Humidity:	5 to 95% RH

6. Notes, Tips, Warnings, and Safety

Note	N/A
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Tip	N/A
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Warning	N/A
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Safety

- 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.

7. Supporting References

Document	Link
Website Product Page	https://www.coolgear.com/product/usb-bay-4-port-serial-db-9-rs-232-adapter-with-ftdi-chipset

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