4-port USB to RS232 Adapter FTDI Cable

Product Manual

Coolgear, Inc.
Version 1.1
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Model Number: CG-4X232FTDI

Revision History

Revision	Date	Author	Comments
1.0	02/27/2018	Coolgear	New Manual

About this document

This product manual outlines installation and features of the USB-COM-i Single Port USB to RS422 / 485 adapter.

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, Data Centers, Serial Equipment, Kiosk, Office, and others.

Product Support

support@coolgear.com

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1. Introduction

The CG-4X232FTDI is a 4S RS232 to USB2.0 serial adapter cable that is designed for PC, thin client, or server to provide instant COM port expansion via the Universal Serial Bus (USB). It provides the scalability to quickly adapt to new USB technologies. Multiple modules can be added to a single USB interface allowing you to add RS232 connectivity as needed.

WEIGHT	.49 lbs
DIMENSIONS	2.36"(L)x1.66"(W)x0.98"(H) (6.00 x 4.24 x 2.51 cm)
Cable Length	7ft.
UPC	729440691745
WARRANTY	1 year from date of purchase
COLOR	Black
PORTS	4 DB-9 Male Serial Port

1.1 Features

- TAA Compliant
- Provides 4 RS232 Serial Ports over USB2.0 Port.
- Full Speed (12Mbits/Second) compatible.
- Provides 4 DB9 Connectors with Octopus Cable.
- Supports Wall Mounting Kit and Optional DIN RAIL Clips.
- Baud Rate up to 921.6Kbps
- Supports 7,8 Data Bits
- Odd, Even, Mark, Space, or None parity mode
- Supports 1, or 2 Stop Bits
- Powered by USB Bus Power, no AC Adapter Required
- Supports XP, Vista, Win 7 and Linux

2. Plugging the Adapter Cable

1) Plug the USB Type-A end of the Adapter Cable into the USB host port of your PC or into and available USB Port on a USB hub.
2) Connect the RS232 Serial Devices to the DB9 male connectors of the Adapter Cable.
3) Use the supplied Wall Mounting Kit to fix the plastic housing body of the Adapter Cable in case it is required. If you need to fix it on a DIN RAIL, you may need to order the optional DIN RAIL Clips.
4) Proceed with the next section "Installing Drivers" to install the virtual COM port drivers for your operating system.

2.1 Installing Drivers

The Adapter Cable can be hot-plugged to the USB port of your computer with its hot plug capability. 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.
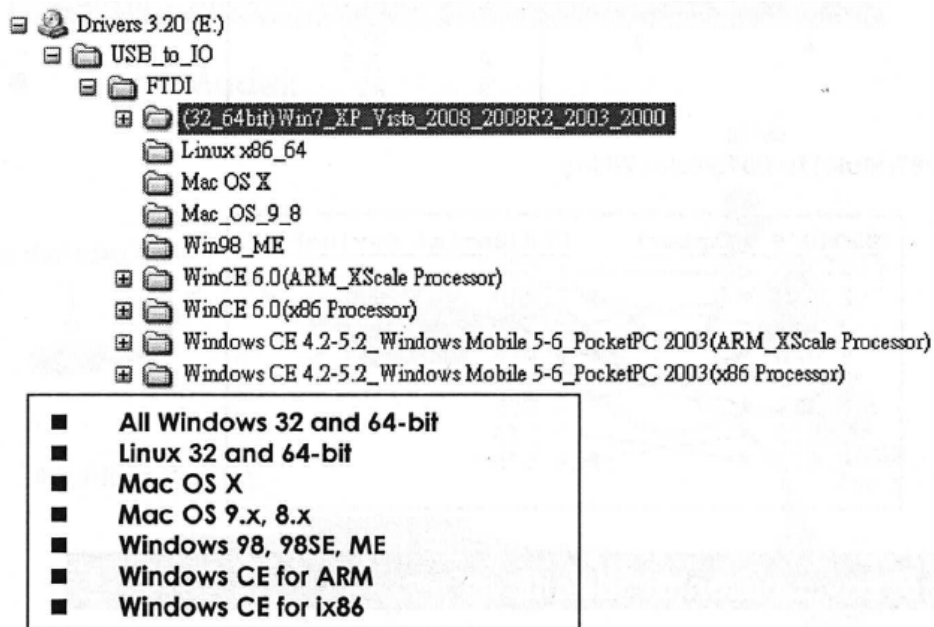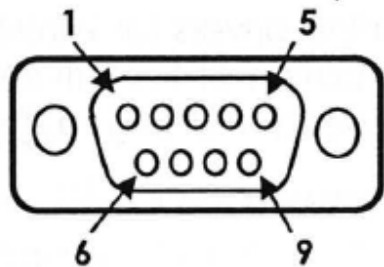

Figure 1

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.
- Follow the instructions of the installer program to complete the setup procedures.
- Plugging the Adapter Cable will connect the drivers into the Windows kernel automatically.

2.3 Male DB9 Pin Assignments and Cable Wiring

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

DB9(Male) to DB9(Male) Wiring

DB9 (USB Adapter)	DB9 (Serial Device)
1 DCD	1 DCD
2 RXD	2 RXD
3 TXD	3 TXD
4 DTR	4 DTR
5 GND	5 GND
6 DSR	6 DSR
7 RTS	7 RTS
8 CTS	8 CTS

Figure 2

2.4 Environmental Specifications

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

3.   Notes, Tips, and Warnings

Note	N/A

Tip	N/A

Warning	N/A

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.

4. Supporting References

Document	Link
Website Product Page	https://www.coolgear.com/product/4-port-usb-to-rs232-adapter-ftdi-cable