

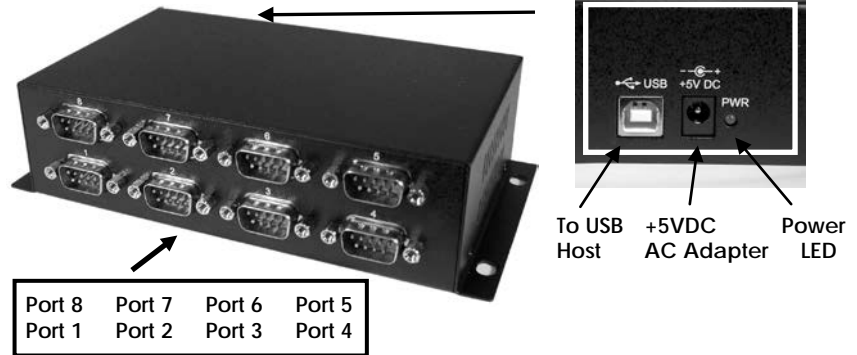
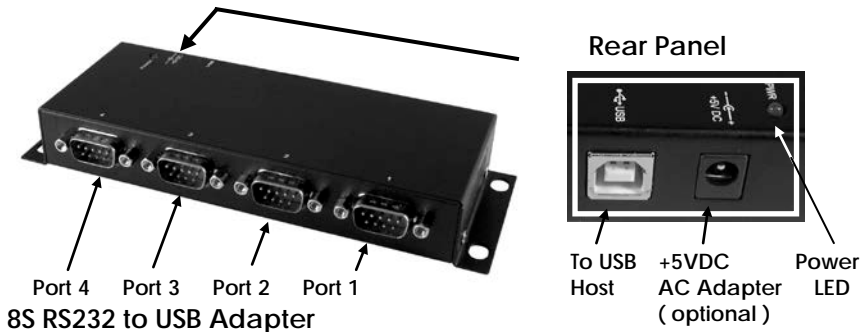
# 4S/8S RS232 to USB Multi Serial Adapter (w/ Metal Case)

## Installation Guide

### 1. Introduction

Thank you for purchasing this RS232 to USB Multi Serial Adapter. It 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, it is an ideal solution for most critical applications.

#### 4S RS232 to USB Adapter (Metal Case)



## Features:

- ✓ Provides 4S (or 8S) RS232 Serial Ports over USB Port
- ✓ Provides 4 (or 8) 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
- ✓ 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 Win98, Me, XP, CE, Win2000, 2003

## 2. Plugging 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.

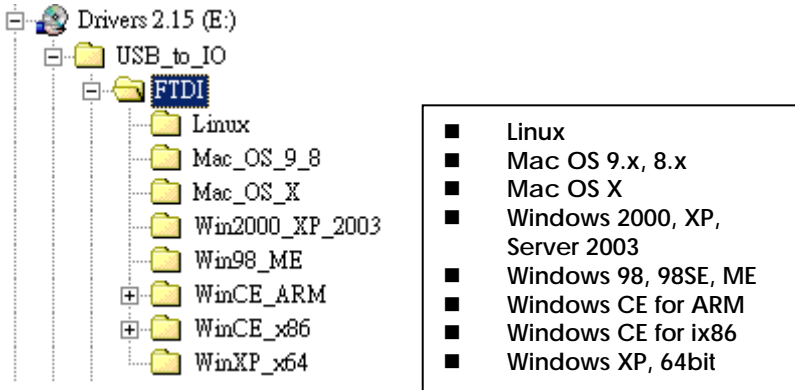
## 3. Installing Drivers

The RS-232 Multi 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:



## 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**.
- Assume the CD-ROM is drive E:, select “Specify a location” and browse to the following folder:  
**E:\USB\_to\_IO\FTDI\Win2000\_XP\_2003**

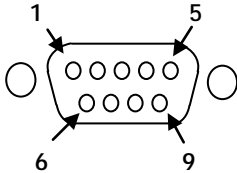
**E:\USB\_to\_IO\FTDI\Win98\_ME**

For Win98, ME

For Win2000,  
XP or Server  
2003,

- 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!

## 4. Male DB9 Pin Assignments and Cable Wiring



<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

DB9(Male) to DB9(Male) Wiring

<u>DB9 (USB Adapter)</u>	<u>DB9 (Serial Device)</u>
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

## 5. Environmental Specifications

Power requirements: 5V DC, 250mA (max)

Operating temp.: 0 to 55°C (32 to 131°F)

Operating humidity: 5 to 95% RH