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1 Port Industrial USB to RS232 Serial Adapter with 5KV Isolation and 15KV ESD

ICUSB232IS

*actual product may vary from photos

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

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Table of Contents

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Product Overview

Front View

USB Mini-B
(5 pin) Female

Rear View

DB-9 (9 pin;
D-Sub) Male

RS232 Pinout
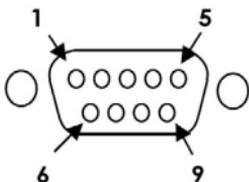
Pin 1	DCD	**Pin 6**	DSR
Pin 2	RXD	**Pin 7**	RTS
Pin 3	TXD	**Pin 8**	CTS
Pin 4	DTR	**Pin 9**	RI
Pin 5	GND		

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Introduction

Add a galvanically isolated RS232 serial port with ESD protection through a USB port - DIN Rail Mountable

Packaging Contents

- 1x USB to Serial Adapter
- 1x DIN Rail Bracket
- 1x 1m (3ft) USB Cable
- 1x Driver CD
- 1x Instruction Manual

System Requirements

- Available USB Port
- Windows® 8 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64), CE(4.2, 5.2), Windows® Server 2008 R2, 2003(32/64), Mac OS 10.x (Tested up to 10.9), Linux 2.6.x - 3.9.x

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Installation

DIN Rail Bracket Installation

If you are mounting the ICUSB232IS product onto a DIN Rail, you will first need to attach the included DIN Rail Bracket to the device. Note that the spring clip portion of the bracket should be at the bottom.

1. Hold the ICUSB232IS device with the USB port facing down and place the DIN rail bracket on the back of the device, lining up the screw holes.

2. Insert the 2 included screws and tighten.

Spring Clip

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Driver Installation

Windows

1. Upon starting Windows, if the *Found New Hardware* wizard appears on the screen, cancel/close the window and insert the included Driver CD into the computer's CD/DVD drive.

2. Open the Device Manager by right-clicking on **Computer**, and then select **Manage**. In the new *Computer Management* window, select **Device Manager** from the left window panel (For Windows 8, open the **Control Panel** and select **Device Manager**).

3. Expand the *Universal Serial Bus Controllers* section and right-click on the newly detected "USB Serial Converter" device
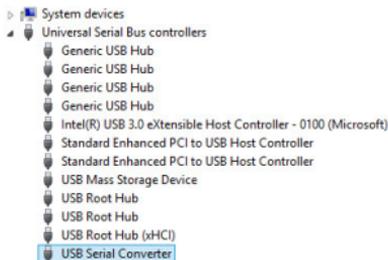
4. Select **Update Driver Software**, which will start the *Update Driver Software Wizard*.

5. On the *How do you want to search for driver software?* window, click **Browse my computer for driver software**.

6. Click the **Browse** button, and navigate to your CD/DVD drive, then to the "Win XP Vista Win 7 8" folder.
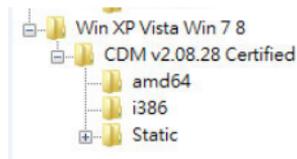
7. Select the appropriate 32 (i386) or 64-bit (amd64) OS folder for the system you are using and click **Next** to install the drivers.

8. Repeat steps 4-7 for the "USB Serial Port" device located in the *Other Devices* section.

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Mac OS

1. Connect the USB Serial Adapter to an available USB port.
2. Insert the provided CD into your DVD/CD-ROM drive.
3. Browse to the Mac OS folder on the disc.
4. Mount the **FTDIUSBSerialDriver_v2_2_18.dmg** file, and then run the **FTDIUSBSerialDriver.pkg** application file that is appropriate for the version of Mac OS you are running to start the install.

5. Follow the on-screen instructions to complete the installation.
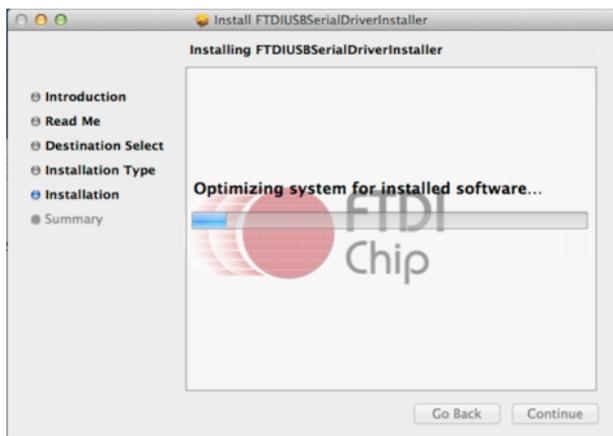
NOTE: You may be prompted to restart once the install completes.

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Verifying Installation

1. Open the *Device Manager* by right-clicking on **Computer**, and then select **Manage**. In the new *Computer Management* window, select **Device Manager** from the left window panel (For Windows 8, open the **Control Panel** and select **Device Manager**).

2. Expand the Ports *(COM & LPT)*, and *Universal Serial Bus Controllers* sections. On a successful install, you should see 1 *Atil USB Serial Port (COMx)* device under the Ports (COM & LPT) section, and 1 *USB Serial Converter* device under Universal Serial Bus Controllers with no exclamation points or question marks.

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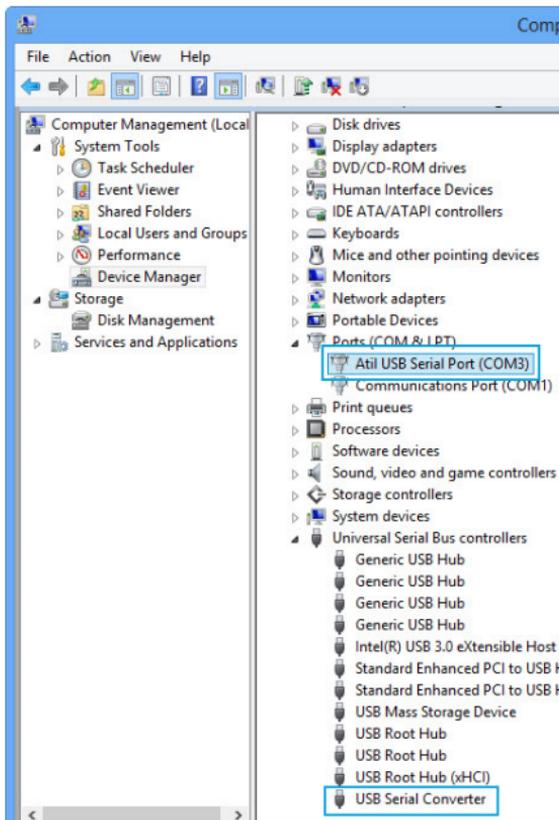
Mac OS

1. Open the *System Profiler* by clicking the Apple symbol in the top left corner, selecting **About this Mac**, then select **System Report**

2. Expand the "Hardware" section and click "USB" in the left column. With the adapter connected, you should see the following device in the list.

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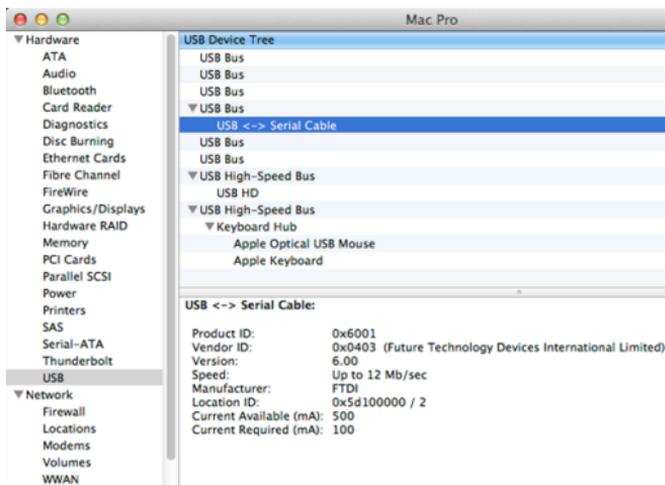
Specifications

Host Interface	USB 2.0
Chipset ID	FTDI - FT232RL
External Connectors	1x DB-9 (9 pin; D-Sub) Male 1x USB Mini-B (5 pin) Female
Supported Protocols	RS-232
Maximum Baud Rate	921.6 Kbps
Data Bits	7, 8
Parity	Even, Odd, Mark, Space, None
Stop Bits	1, 2
Isolation	5KV
ESD Protection	15KV
Operating Temperature	-30°C to 75°C (-22°F to 167°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5~95% RH (Non-Condensing)
Dimensions	42 x 93 x 22mm
Weight	25g
Compatible Operating Systems	Windows® 8 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64), CE (4.2, 5.2) Windows® Server 2008 R2, 2003(32/64) Mac OS 10.x (Tested up to 10.9) Linux 2.6.x - 3.9.x

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For the latest drivers/software, please visit **www.startech.com/downloads**

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