1 Port FTDI USB to RS232 Serial Adapter Cable with Optical Isolation

ICUSB2321FIS

*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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Introduction

The ICUSB2321FIS 1-Port FTDI USB to Serial RS232 Adapter Cable with Optical Isolation converts an available USB 1.1 or 2.0 port into an RS232 DB9 port that can be used to connect, monitor and control your serial devices.

The USB to serial adapter features integrated optical isolation circuits and surge protection to protect your critical, sensitive control equipment against electrical damage, making it a viable solution for costly industrial serial devices.

The versatile FTDI chipset also supports COM retention, additional customization/ features, and compatibility not offered by most other solutions.
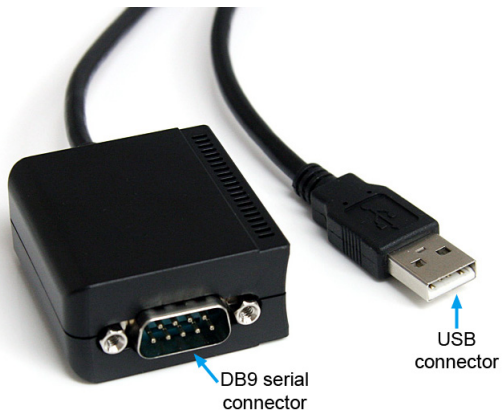
Packaging Contents

- 1 x USB to Serial Adapter
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

- USB enabled computer system with available USB port
- Microsoft® Windows® 2000/XP/Vista/Server 2003/Server 2008 R2/7 (32/64-bit), Windows CE 4.2 or later, or Apple® Mac OS® 9.x/10.x, or Linux®

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ICUSB2321FIS View

DB9 serial
connector

USB
connector

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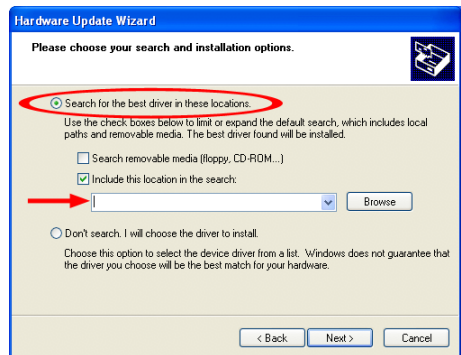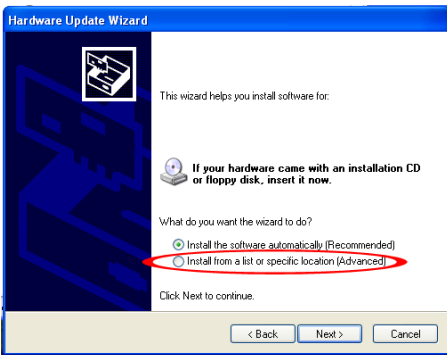
Installation

Hardware Installation
Windows 2000/XP/Server 2003

1. Plug the USB adapter into an available USB port on the computer.

2. When the Found New Hardware wizard appears on the screen, insert the Driver CD into your CD/DVD drive. If you are prompted to connect to Windows Update, please select the "No, not this time" option and click Next.
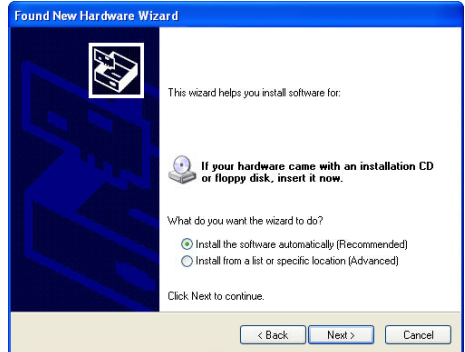

*screenshots are for reference only

3. Select the option "Install Drivers Automatically (Recommended)" and then click the Next button.

4. Windows should now start searching for the drivers and install them automatically. Once this has completed, click the Finish button.

5. If Windows is unable to locate drivers, press the "Back" button or restart the wizard and select the advanced option to have it search the "USB_to_IO\FTDI" location on the CD by clicking the "Browse" button and selecting that location.

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Windows Vista/7/Server 2008 R2

1. Plug the USB adapter into an available USB port on the computer.

2. When the Found New Hardware window appears on the screen, click on the "Locate and install drivers software (recommended)" option. If prompted to search online, select the "Don't search online" option.
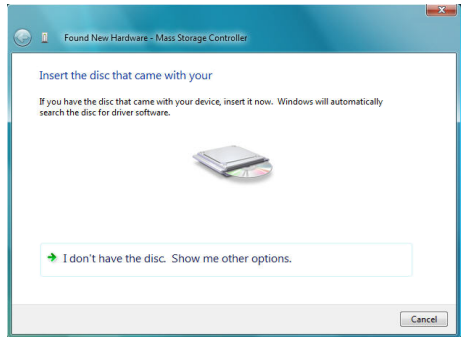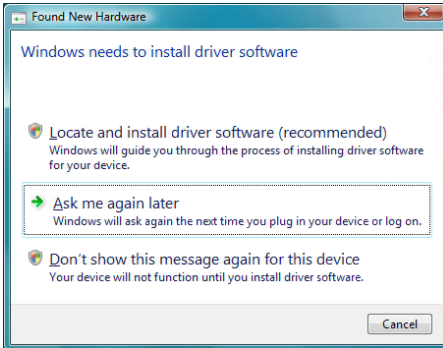

3. When prompted to insert the disc, insert the Driver CD that came with the card, into your CD/DVD drive and Windows will automatically proceed to search the CD.

4. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.

5. Once the driver is installed, click the Close button.

6. If Windows is unable to locate drivers, press the "Back" button or restart the wizard and select the option to "Browse the computer" and have it search the "USB_to_IO\FTDI" location on the CD by clicking the "Browse" button.

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Verifying Installation
Windows 2000/XP/Vista/7

From the main desktop, right-click on "My Computer" ("Computer" in Vista/7), then select "Manage". In the Computer Management window, select "Device Manager" from the left window panel.
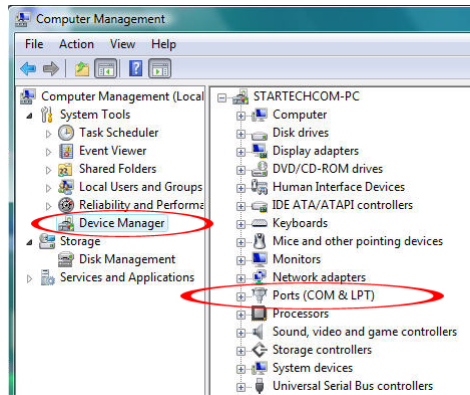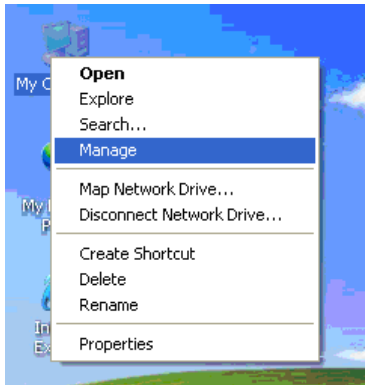
Double-click on the "Ports (COM & LPT)" option. Additional COM port(s) should be visible. The port is automatically sequentially numbered by Windows, but can be changed through the "Properties" by right-clicking on the port.

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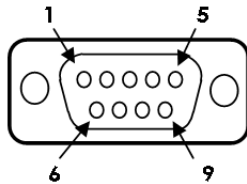
9 Pins	Signal
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

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Specifications

Number of Ports	1
Host Interface	USB 2.0
Chipset ID	FTDI FT232R
Connectors	1 x USB type A male 1 x 9-pin DB9 male
LEDs	N/A
Supported Protocols	RS232
Data Bits	7, 8
Stop Bits	1, 2
Parity	None, Odd, Even, Mark, Space
Maximum Data Transfer Rate	921.6 Kbps
Optical Isolation	2500Vrms
Surge Protection	500W (bi-directional)
Enclosure Material	Plastic
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)
Storage Temperature	-20°C ~ 85°C (32°F ~ 185°F)
Humidity	5% ~ 95% RH
Cable Length	8ft (2.4m)
Dimensions (LxWxH)	45.0mm x 41.5mm x 22.0mm
Weight	150g
Compatible Operating Systems	Windows 2000/ XP/ Server 2003/ Vista/ Server 2008 R2/ 7 (32/64-bit), Windows CE 4.2+, Mac OS 9.x/ 10.x, Linux

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