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2/4/8 Port USB to Serial Adapter Hub with COM Retention

ICUSB2322I
ICUSB2324I
ICUSB2328I

*ICUSB2322I Shown

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Manual Revision: 08/10/2012

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 ICUSB2322I / ICUSB2324I / ICUSB2328I 2/4/8 Port Industrial Wall Mountable USB to Serial Hub with DIN Rail Clips converts a single USB port into two/four/eight RS232 serial ports allowing you to connect to, monitor and control your serial devices.

Rugged metal construction, sturdy wall-mount brackets and included DIN Rail clips (Top-Hat) provide versatile mounting options and a robust solution for both harsh industrial environments and simple desktop installations.

This USB powered adapter also retains assigned serial COM port values once connected, allowing the same values to be automatically reassigned to the ports provided by the adapter.

Packaging Contents

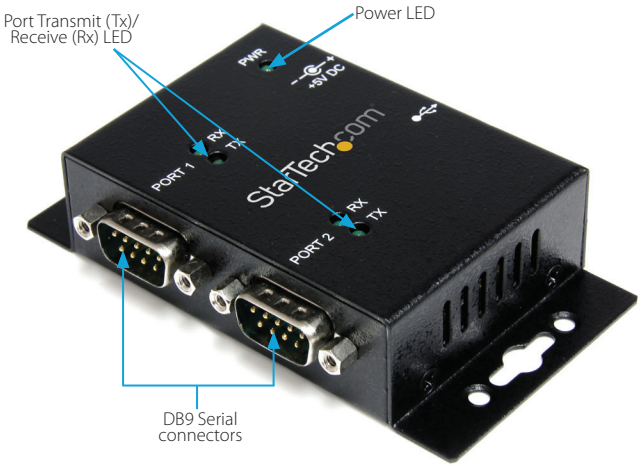
- 1 x USB to RS-232 Serial Adapter
- 1 x 6 ft USB A to B cable
- 1 x DIN Rail Mounting Kit
- 1 x Driver CD
- 1 x Instruction Manual

System Requirements

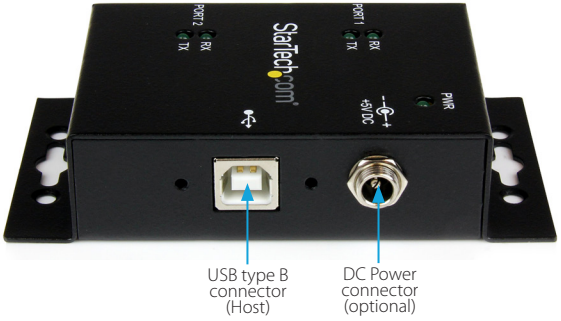
- USB enabled computer with available USB port
- Microsoft® Windows® 2000/ XP/ Server 2003/ Vista/ Server 2008 R2/ 7 /8 (32/64-bit), or Windows CE 4.2/ 5.0/ 6.0, or Apple® Mac OS® X, or Linux® kernel 2.4.x/ 2.6.x

ICUSB2322I

Front View

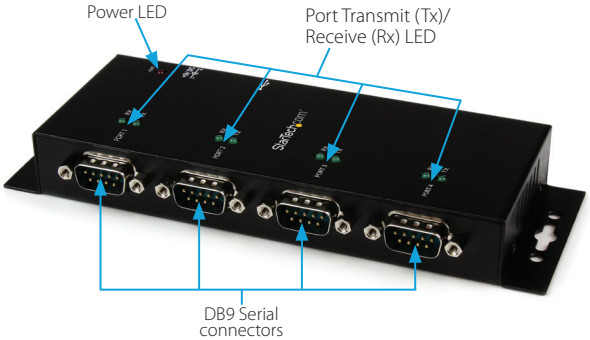


Rear View



ICUSB2324I

Front View



Rear View

ICUSB2328I

Front View

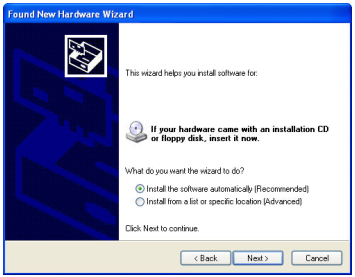
Rear View

Installation

Hardware Installation

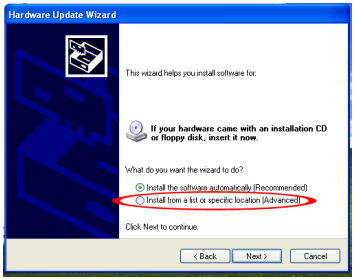
Windows 2000/ XP/ Server 2003

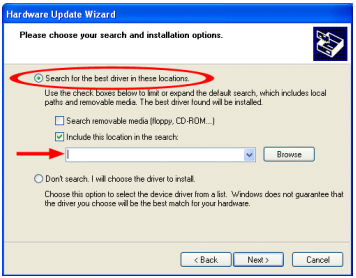
1. Connect the USB cable from the Serial Adapter to a USB port on the computer.
2. When the Found New Hardware wizard appears on the screen, insert the Driver CD into your CD/DVD drive. If you are prompted to connect to Windows Update, please select the "No, not this time" option and click Next.



*all screenshots are for reference only

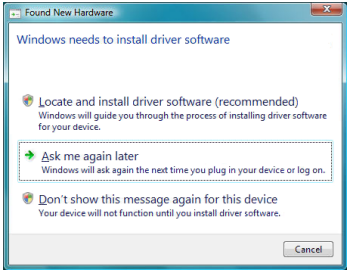
3. Select the option "Install Drivers Automatically (Recommended)" and then click the "Next" button.
4. Windows should now start searching for the drivers and install them automatically. Once this has completed, click the "Finish" button.
5. If Windows is unable to locate drivers, press the "Back" button 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.

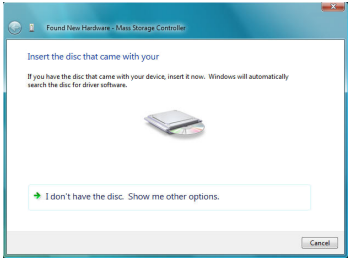




Windows Vista/ 7/ 8 / Server 2008 R2

1. Connect the USB cable from the Serial Adapter to a 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.



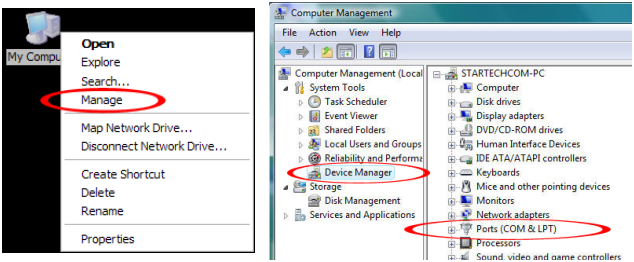


3. When prompted to insert the disc, insert the Driver CD that came with the card, into your CD/DVD drive and Windows will automatically proceed to search the CD.
4. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.
5. Once the driver is installed, 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.

Verifying Installation

Windows 2000/ XP/ Vista/ 7 / 8

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.

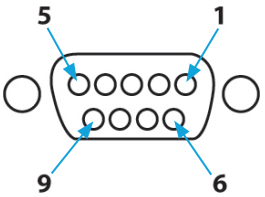


*all screenshots for reference only

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

Pin	Signal
1	DCD
2	TxD
3	RxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI



Specifications

Number of Ports	2	4	8
Host Interface	USB 2.0		
Chipset ID	FTDI FT2232H		
External Connectors	2 x 9-pin DB9 male 1 x USB type B female	4 x 9-pin DB9 male 1 x USB type B female	8 x -pin DB9 male 1 x USB type B female
LEDs	2 x Serial Tx Activity 2 x Serial Rx Activity 1 x Power	4 x Serial TX Activity 4 x Serial RX Activity 1 x Power	8 x Serial TX Activity 8 x Serial RX Activity 1 x Power
Serial Protocol	RS-232		
Maximum Data Transfer Rate	921.6 Kbps		
Data Bits	7, 8		
Parity	Odd, Even, Mark, Space, None		
Stop Bits	1, 2		
Buffer Size	4096 byte Transmit and Receive		
Enclosure Material	Metal		
Mounting Options	Wall/Surface, DIN Rail		
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)		
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)		
Humidity	5% ~ 95% RH		
Dimensions	104.0 x 56.0 x 25.0mm	150.0 x 66.5 x 26mm	173.5 x 97.2 x 43.2mm
Weight	400g	450g	950g
Compatible Operating Systems	Windows 2000/ XP/ Server 2003/ Vista/ Server 2008 R2/ 7 / 8 (32/64bit), Windows CE 4.2/ 5.0/ 6.0, Mac OS X, Linux kernel 2.4.x/ 2.6.x		

Technical Support

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

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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