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4 Port USB to RS232 Serial DB9 Adapter Hub

ICUSB2324

*actual product may vary from photos

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Manual Revision: 02/15/2012

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

This 4 Port USB to RS232 Serial Hub lets you connect up to four RS232 serial devices to your Mac or PC laptop or desktop computer through a single USB port, as though the computer offered built-on DB9M serial connectors.

The RS232 Serial Hub is compactly designed to preserve valuable workspace, and is bus-powered to eliminate the need for an external power adapter.

A cost-effective solution that bridges the compatibility gap between modern USB-capable computers and legacy RS232 serial peripherals, this dependable USB/RS232 Serial Adapter hub is backed by StarTech.com's Lifetime Warranty.

Features

- Bus-powered operation – requires no external power adapter
- Fully compliant with USB 1.1 specifications and compatible with USB 2.0
- Easy Plug-and-Play installation

System Requirements

- An available USB/USB 2.0 port

Package Contents

- 4 Port Serial Hub
- USB Cable
- Driver CD
- Instruction Manual

Installation

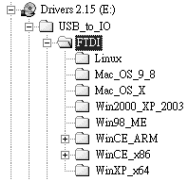
1. Insert the Driver CD that was included with ICUSB2324 into the CD/DVD-ROM drive on the host computer.
2. Connect the Type-B end of the USB cable used in step 1 to the USB type 'B' port on the rear panel of ICUSB2324.
3. Connect the type 'A' end of the USB cable into an available USB port on the host computer, or an available USB port on a USB hub.
4. **Optional:** Connect a 5V DC power adapter to the power port on the rear panel of ICUSB2324, if the serial devices that will be connected require more power than the USB bus on the host computer can support.

Driver Installation

1. Once ICUSB2324 has been connected to the host computer, the operating system will detect the connection and automatically launch the Add New Hardware Wizard. When the Wizard appears, click Next.
2. At the next screen, select Search for the best driver for your device, and click Next.
3. Select Specify a location and browse to the folder that corresponds to the operating system that is installed on the host computer, where E:\ is the designated CD/DVD-ROM drive.

   Windows XP, 2000, 2003 users:
   E:\USB_to_IO\FTDI\Win2000_XP_2003

   Windows 98/ME users:
   E:\USB_to_IO\FTDI\Win98_ME

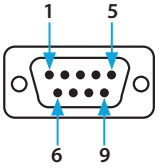


4. Click Next. Windows will begin copying the necessary files.
5. Click Finish when prompted, to complete the driver installation.
6. After installing the drivers, Windows will detect the new COM ports and begin to initialize them.Your new COM ports, numbered sequentially following the existing ports in your system, are now ready.

Specifications

Regulatory Certifications	RoHS, FCC, CE
Connectors	1 - USB B Male 4 - DB9 Male
Power Adapter	5V DC
Maximum Data Transfer Rate	115 Mbps
Maximum Bandwidth	921 Kbps
OS Support	Windows 2000/XP/Vista/MAC OS 8.6 and up
Operating Temperature	0° to 55°C (32° to 13°F)
Operating Humidity	5% to 95% RH

DB9 Pin Assignments



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

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

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 lifetime 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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