

Hard-to-find made easy®

1 Port FTDI USB to RS232 Null Modem Adapter

ICUSB232FTN



*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 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 ICUSB232FTN 1-Port FTDI USB to Serial Null Modem DCE Adapter Cable converts an available USB 1.1 or 2.0 port into an RS232 Null Modem serial DB9 port for connecting to a DTE serial device. Solving DCE/ DTE conflicts directly, without requiring additional cross-wired serial cables or adapters.

This compact adapter features COM retention, allowing the same COM port value to automatically be re-assigned to the port if the cable is disconnected and reconnected to the host computer, or if the system is rebooted. The integrated FTDI chipset supports additional customization, advanced features, and compatibility not necessarily offered by other solutions.

Compatibility with a broad list of Operating Systems including Windows®, Windows CE, Mac OS and Linux, makes this product easy to integrate into mixed environments.

Packaging Contents

- 1 x USB to Null Modem Serial Adapter
- 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 (32/64-bit), or Windows CE 4.2+, or Apple[®] Mac OS[®] 9.x/ 10.x, or Linux[®]



Installation

Hardware Installation

Windows 2000/ XP/ Server 2003

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

Found New Hardware Wizard	Found New Hardware Wizard
Welcome to the Found New Hardware Wizard Window will each for current and updated software by builting ony computer, on the hardware installation (D, or on the Vindow Update Window are units and Rest of zerostroot/Shi	This initial helps you initial software for:
Early Windows Connect to Windows Update to search for othwar? Or set, this time only Or set, while only Or set, own and every time I connect a device O No, not this time	If your hardware came with an installation CD If your hardware came with an installation CD What do you want the wicked to do? What do you want the wicked to do? Or Install Pite software astematicably [Recommended] Install Into a list or specific location (Advanced)
Click Next to continue.	Elick Next to continue.
< Back Next > Cancel	<back next=""> Cancel</back>

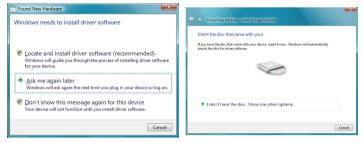
*all screenshots are for reference only

- 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.

Hardware Update Wizard	Hardware Update Wizard
This wiced helps you install software for	Please choose your search and installation options.
Your hardware came with an initializion CD of loopp disk, insert it now. what do you want the vicial to 65? O Initial the obleware accordingly. Recommended O Initial the obleware accordingly. Recommended Disk theorem of the control Advanced Disk. Next to control.	Seach tenovable media (floop): CD FIDM_ Clock the factors in the seacht Clock the factors in the seacht Clock the clock the driver to natal. Doorse the clock to be clock the driver to natal. Doorse the clock to be the best match for your hardware.
<back next=""> Cancel</back>	< Back Next > Cancel

Windows Vista/ 7/ Server 2008 R2

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



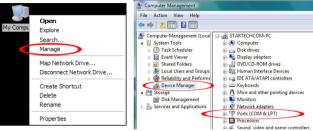
- When prompted to insert the disc, insert the Driver CD that came with the card, into your CD/DVD drive and Windows will automatically proceed to search the CD.
- 4. If a Windows Security dialog window appears, click the "Install this driver software anyway" option to proceed.
- 5. Once the driver is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

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.

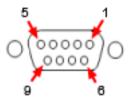


*all screenshots for reference only

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
Host Interface	USB 2.0
Chipset ID	FTDI FT232R
Connectors	1 x 9-pin DB9 female
	1 x USB type A male
LEDs	1 x Tx
	1 x Rx
Serial Protocol	RS232
Maximum Data Transfer Rate	921.6 Kbps
Data Bits	7, 8
Parity	None, Odd, Even, Mark, Space
Stop Bits	1, 2
Buffer Size	Tx: 256 byte
	Rx: 128 byte
Enclosure Material	Plastic
Operating Temperature	0°C ~ 55°C (32°F ~ 131°F)
Storage Temperature	-20°C ~ 85°C (-4°F ~ 185°F)
Humidity	5% ~ 95% RH
Built-in Cable Length	1m (3.3ft)
Dimensions	45.0mm x 41.5mm x 22.0mm
Weight	140g
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



Technical Support

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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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