



StarTech ICUSB232FTN USB to RS232 Null Modem Adapter Specifications And Datasheet

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StarTech ICUSB232FTN USB to RS232 Null Modem Adapter



Introduction

The ICUSB232FTN FTDI USB to Null Modem Serial Adapter Cable (1-Port) converts an available USB 1.1 or 2.0 port into an RS232 Null Modem serial DB9 port, 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 re-connected 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. The USB to Null Modem adapter is compatible with a broad list of operating systems including Windows, Windows CE, Mac OS, and Linux, making it easier to integrate into mixed environments. Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports, and Compatibility



Applications

- Perfect for IT Administrators looking to add legacy functionality to newer notebooks, PCs and servers that lack an integrated RS232 port
- Connect, monitor and control industrial/automotive sensors and equipment
- Connect bar code scanners, receipt printers and other point of sale devices
- Connect and program LED and Digital signage boards with serial communication ports
- Connect a satellite receiver, serial modem, or PDU

Features

- USB to Null Modem (Cross-Wired) RS232 Serial Adapter
- Integrated FTDI USB UART Chip
- Baud Rate up to 921.6Kbps
- COM Port assignments maintained across reboot
- USB-powered – no external power adapter required
- Compatible with USB 1.1 or 2.0 Ports
- Compatible with Windows, Mac OS and Linux
- Single cable design for portability

Specifications

Hardware

- **Warranty:** 2 Years
- **Ports:** 1
- **Interface:** Serial
- **Bus Type:** USB 2.0
- **Port Style:** Cable Adapters
- **Chipset ID:** FTDI – FT232RL

Performance

- **Serial Protocol:** RS-232
- **Max Baud Rate:** 921.6 Kbps
- **Data Bits:** 7, 8
- **FIFO:** 256 Bytes
- **Parity:** None, Odd, Even, Mark, Space
- **Stop Bits:** 1, 2
- **MTBF:** 541,728 hours

Connector(s)

- **Connector Type(s):** 1 – DB-9 (9 pin, D-Sub); 1 – USB 2.0 Type-A (4 pin, 480Mbps)

Software

OS Compatibility

- Windows CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11
- Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
- macOS 10.6 to 10.15, 11.0, 12.0, 13.0
- Linux Kernel 3.0.x and up – *LTS Versions only*

Special Notes / Requirements

- **System and Cable Requirements:** One available USB 1.1 (or better) port

Power

- **Power Source:** USB-Powered

Environmental

- **Operating Temperature:** 0°C to 55°C (32°F to 131°F)
- **Storage Temperature:** -20°C to 85°C (-4°F to 185°F)
- **Humidity:** 5~95% RH

Physical Characteristics

- **Color:** Black
- **Material:** Plastic
- **Cable Length:** 5.6 ft [1.7 m]
- **Product Length:** 5.9 ft [1.8 m]
- **Product Width:** 1.2 in [30 mm]
- **Product Height:** 0.6 in [1.5 cm]
- **Weight of Product:** 3.2 oz [90 g]

Packaging Information

- **Package Quantity:** 1
- **Package Length:** 5.7 in [14.6 cm]
- **Package Width:** 8.2 in [20.8 cm]
- **Package Height:** 1.5 in [39 mm]
- **Shipping (Package) Weight:** 7.2 oz [205 g]

What's in the Box

Included in Package

- 1 – USB to RS-232 Null Modem Adapter
- 1 – Driver CD
- 1 – Instruction Manual

Product appearance and specifications are subject to change without notice.

FAQ's

What is the StarTech ICUSB232FTN FTDI USB to RS232 Null Modem Adapter?

The StarTech ICUSB232FTN is a USB to RS232 Null Modem Adapter that allows you to connect serial devices to a computer or laptop using a USB port, enabling serial communication and data transfer.

What is the purpose of this adapter?

This adapter is designed to bridge the gap between older serial devices that use RS232 communication and modern computers that often lack native RS232 ports. It enables compatibility and connectivity for legacy equipment.

What type of connector does it use?

The StarTech ICUSB232FTN adapter typically features a USB Type-A connector on one end and a DB9

RS232 serial connector on the other end.

Is it compatible with both Windows and macOS?

Yes, this adapter is often compatible with both Windows and macOS operating systems, making it versatile for different computer setups.

Does it require any additional drivers or software installation?

The adapter often requires drivers for proper installation and functionality. These drivers can be downloaded from the StarTech website and installed on your computer.

Is it suitable for connecting to various serial devices?

Yes, this adapter is commonly used to connect a wide range of serial devices, including modems, serial printers, industrial equipment, and more.

What is the maximum data transfer rate it supports?

The data transfer rate may vary, but the StarTech ICUSB232FTN adapter typically supports data rates up to 921.6 Kbps, making it suitable for most serial communication needs.

Is it a plug-and-play device?

Once the drivers are installed, this adapter is often plug-and-play, meaning it should work automatically when connected to a computer's USB port.

Does it require an external power source?

No, this adapter is typically bus-powered, meaning it draws power from the USB port and does not require an external power source.

Is there a warranty provided with this adapter?

StarTech often offers a limited warranty for their products. The specific warranty terms and coverage may vary, so it's advisable to check the warranty details for your model.

Can it be used for programming or configuring network equipment?

Yes, this adapter is often used for programming and configuring network equipment such as routers, switches, and industrial networking devices that require serial communication.

Is it suitable for use in industrial environments?

Yes, this adapter is often designed to withstand the rigors of industrial environments and is suitable for connecting industrial equipment that uses RS232 communication.

References: [StarTech ICUSB232FTN USB to RS232 Null Modem Adapter – Device.report](#)

Manuals+.