

USB to RS232 Converter - FTDI FT230X

Sunrom
Part#
1454

Installs virtual Serial COM Port on your PC through USB so any software can connect to your end device having RS232 port. DB9 Male connector for RS232 port just like what you can find on back of old PC's motherboards.

User's
Manual

Doc Version: 1
21-Feb-17

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Introduction

Our USB-RS232 converter have been designed to convert bidirectional USB to RS232 interface.

A virtual serial port is created in the PC to access the serial line. LEDs indicate data transmit and receive status.

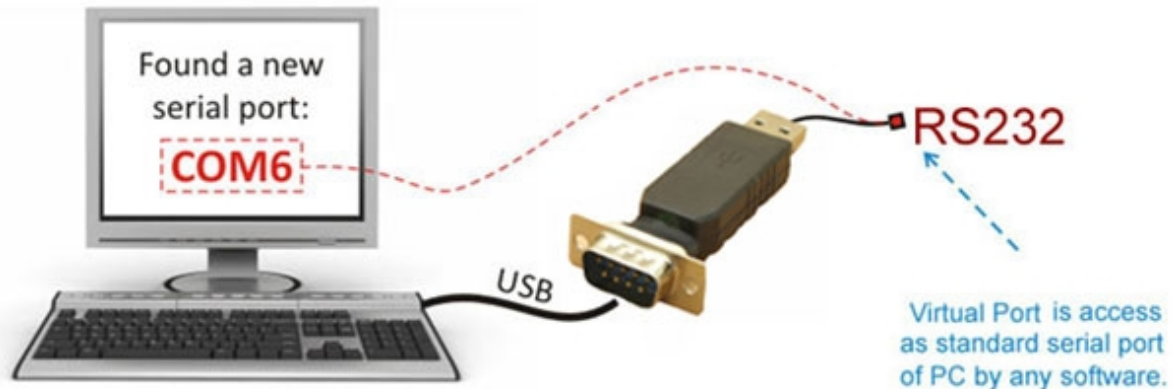


Figure 1 After connecting, “a virtual serial port” is created in your PC. Within the system it acts like a standard serial COM port.

FT230XS chip from FTDI is a single chip USB to UART bridge IC which replaces old FT232RL for basic applications. It requires minimal external components. FT230XS can be used to migrate legacy serial port based devices to USB. Hobbyists can use it as a powerful tool to make all kinds of PC interfaced projects. This module help all those who are comfortable with RS232/Serial Communication protocol, to build USB devices very easily.

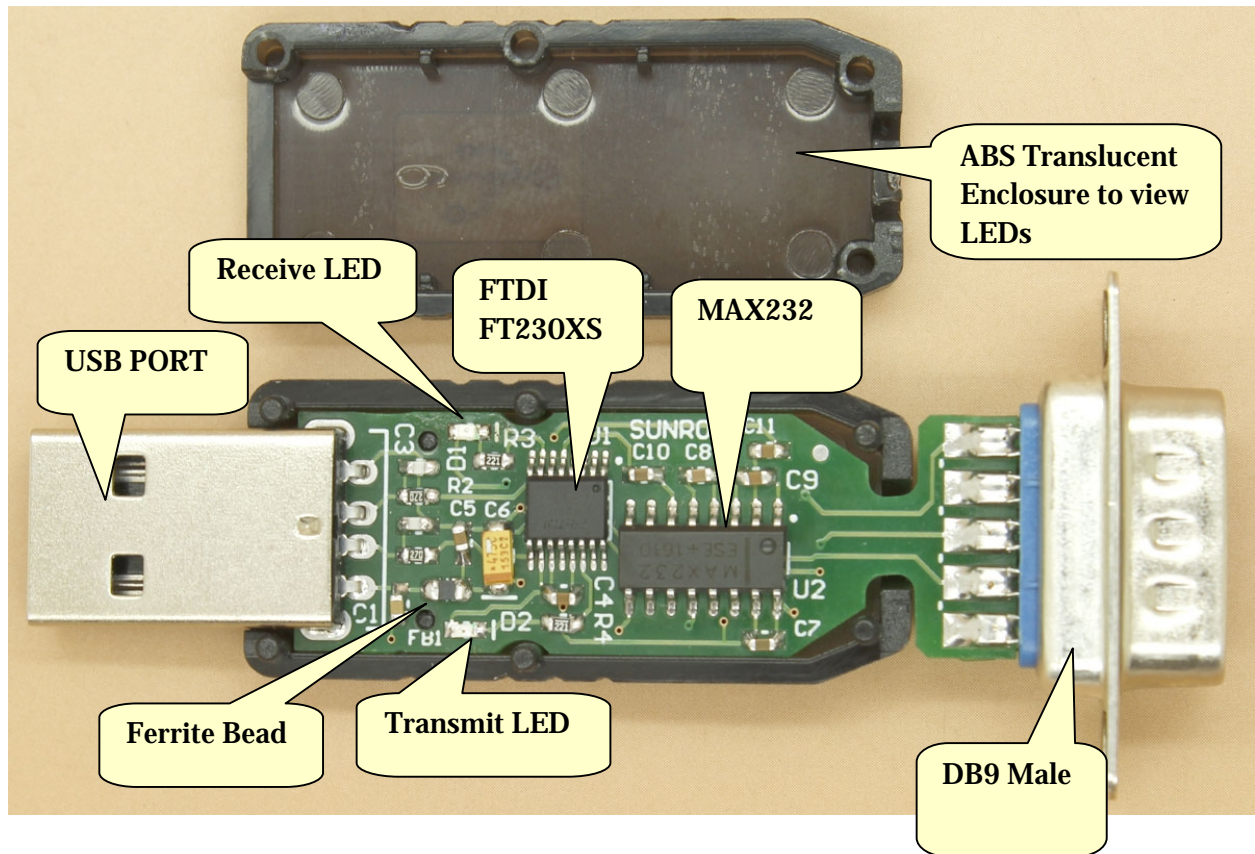
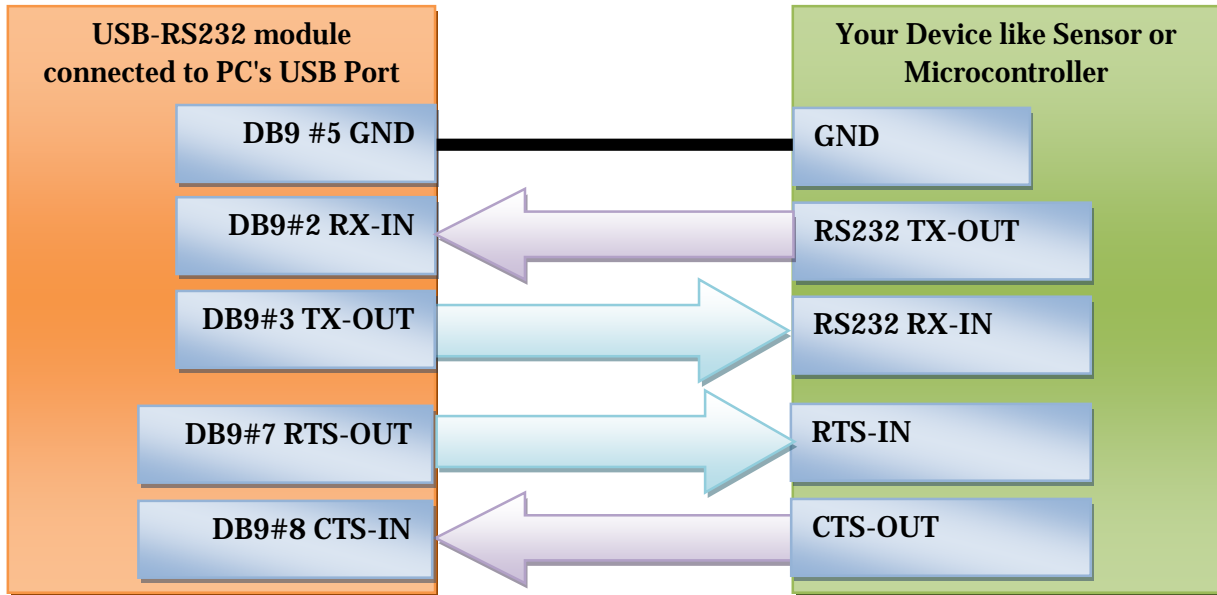
Features

- Reliable and Sturdy operation with industry proven USB 2.0 High Speed FTDI chipset
- USB Driver Works across various Operating Systems
- Standard RS232 interface,
- Bidirectional UART serial data transfer at various baud rates
- Easy to use, Works out of the box without any configuration
- Transparent to microcontroller, No special programming or configuration required.
- Built in dual color LED indication for Transmit and Receive
- Small size, easier mounting
- Output header is standard DB9 Male
- Ferrite Bead built in for noise immunity

Applications

- Communication with RS232 device and a PC

Typical Application



Specifications

Parameter	Value
Working Voltage	5V DC from USB Cable supplied with unit
Current Consumption	125 mA
Max. Data Transfer	500 kbps (All standard baud rate supported)
Controller Chipset	FTDI FT230X
USB Driver	Windows, Mac, Linux
Signal Level	RS232 standard
Transmit/Receive	TX, RX, CTS, RTS
Temperature range	-40 to +85 °C (-40 to 185 F)
Configuration	No configuration needed. Unit automatically configured baud rate and settings as per PC software.
USB Port	A-type plug
Degree of Protection	IP 30
Box Material	ABS

Module Pin Details

DB9 pin	Name	Details
5	GND	Common Ground
2	RX-IN	Receive Input
3	TX-OUT	Transmit Out
7	RTS-OUT	Ready to Send Output
8	CTS-IN	Clear to send Input

Support

Sunrom Electronics offers free technical support (www.sunrom.com/contact) for customers, until the end of the product's lifetime, so if something goes wrong, we're ready and willing to help!

Technical Support is available by email only and scope is limited to problem faced during use of the use of product and does not cover end user programming and hardware troubleshooting.

Each product passes through strict quality checks before it reaches you. So if something is not working out right, the first thing to doubt is the connections or programming of your hardware.

Disclaimer

Sunrom Electronics assumes no responsibility or liability for any errors or inaccuracies that may appear in the present document. Specification and information contained in the present schematic are subject to change at any time without notice.

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