FT232RL 3.3V 5.5V FTDI USB To TTL Serial Converter Adapter

Introduction:

The FT232RL USB to TTL 3.3V/5V FTDI Serial Adapter Module is a popular module that is used to connect a TTL serial communicating device to a PC via a USB mini port. This converter module has options for different output voltage options which are set by the jumper on the board. FT232RL USB to TTL Serial Adapter Module can be used to upgrade any legacy peripherals to USB.

Specifications:

- Chip set FT232RL

- Support 3.3V, 5V

- Pin definition: DTR,RXD,TXD,VCC,CTS,GND

- Pitch:2.54mm ; Size:36mm(length)*17.5mm(width)

- USB power has over current protection, using 500MA self-restore fuse

Applications:

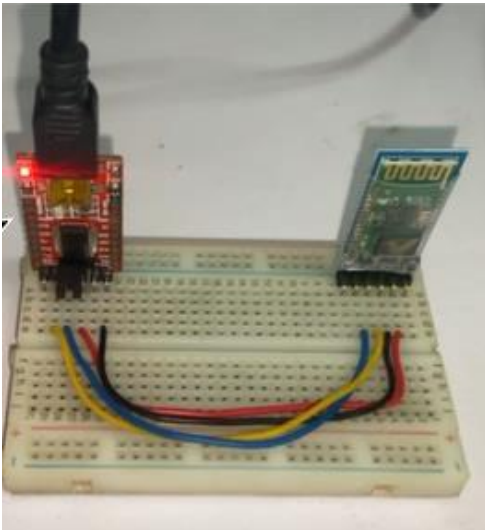- Connect a TTL serial communicating device to a PC via a USB mini port

Objectives:

This tutorial will show you a few simple steps about how to use FT232RL 3.3V 5.5V FTDI USB To TTL Serial Converter Adapter. At the end of this tutorial, you will get a result by serial monitor.

Components needed:

- FT232RL USB to TTL
- AHC05 Bluetooth Module
- USB cable

Procedures:

1. Simply connect FT232RL to AHC05 Bluetooth Module

2. Open Arduino

3. Run command in serial monitor

Conclusion:

- The FT232RL is a USB-to-serial converter chip that provides a convenient way to interface USB with TTL-level serial devices.
- The 3.3V and 5.5V options make it compatible with a wide range of devices
- FT232RL is a reliable and versatile solution for USB-to-serial communication and can be a valuable tool for hobbyists, developers, and engineers alike.