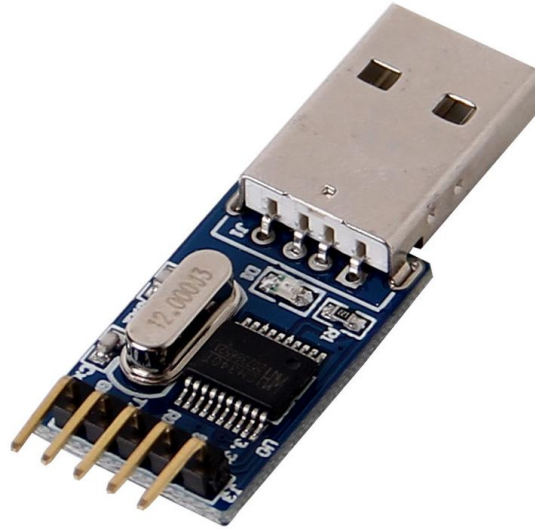




## *USB to TTL Adapter Based on CH340*



### Description:

This is a low cost USB to TTL module based on CH340 chip. CH340 is low cost alternative to FTDI USB serial Chips. The Module supports both 3.3V and 5V levels by a jumper selection. The module supports 50bps to 2Mbps baud rates.

### Features:

- Implements full v2.0 USB protocol.
- On board status indicator lights for RX and TX and Power.
- Supported: Baudrates: 50,75,100,110,134.5,150,300,600,900,1200,1800,2400,3600,4800,9600,14400,19200,28800,33600,38400,56000,57600,76800,115200,128000,153600,230400,460800,921600,1500000,2000000

### Pin out List:

- GND
- RXD (LVTTTL 3.3V/5V)
- TXD (LVTTTL 3.3V/5V)
- 3.3V
- 5V

### Operating Instructions:

- To support 3.3V LVCMOS or LVTTTL levels insert Jumper between VCC and 3.3V
- To support 5V CMOS or TTL levels insert Jumper between VCC and 5V

### Supported OS:

- Windows7
- Windows 8
- Macintosh OSX (v3.1)
- Linux 3.x.x, Linux 2.6.x
- Android

### Applications:

- Programming of Arduino Pro Mini with Automatic RESET through DTR pin.
- Programming of Microcontrollers that can be programmed using serial boot loaders at 3.3V or 5.0V logic levels.
- Burn write STC MCU, NXP MCU, renesas MCU, NEC MCU.
- Data exchange between microcontroller and Desktop or Laptop Computers.
- Connection with GPS Devices.
- Connection with various external Phones, or modems, GSM Modules.
- All other applications requiring USB/Serial/TTL interface.
- Router, HDD, ADSL, broad band modem firmware upgrade.
- Cellphone, XBOX360, GPS serial communication, vehicle inspection and test, DVD flash and so on.
- Simple UART communication, commonly used UART debugging tools in supper terminal.
- USB signal transferred to TTL signal, may be used by electronic enthusiasts.
- Two data transmission indicator can monitor data transfer status in real time.
- 3.3V and 5V power supply interface, easy for the DDWRT of different voltage system that need power.

*Made in China*