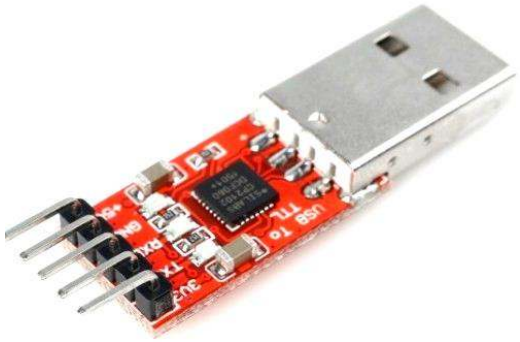
CP2102 Based USB To TTL Convertor Module



Features

- The main chip CP2102. generate a virtual serial port after installing the driver
- USB specification 2.0 compliant with full-speed 12Mbps.
- Standard USB type A male and TTL 5pin connector. 5 pins for 3.3V, TXD, RXD, GND & 5V.
- All handshaking and modem interface signals
- Baud rates: 300 bps to 1.5 Mbps.
- Onboard status indicator lights transceiver, install the correct drivers status indicator lit. when the communication transceiver indicator flashes . the higher the intensity . the lower the baud rate
- The communication format support: 1) 5.6.7.8 data bits ; 2) support 1.5. 2 stop bits ; 3) odd, even, mark, space, none parity
- USB head for the male . can be directly connected to the computer USB port
- SMT chip components for the production process. quality and stability

Specification

- Temperature Range: -400C to +850C
- Supports windows vista / xp / server 2003 / 200, Mac OS-X / OS-9, Linux
- main color: Red

CP2102 SINGLE-CHIP USB TO UART BRIDGE

The CP2102 is a highly-integrated USB-to-UART Bridge Controller providing a simple solution for updating RS-232designs to USB using a minimum of components and PCB space. The CP2102 includes a USB 2.0 full-speed function controller, USB transceiver, oscillator, EEPROM, and asynchronous serial data bus (UART) with full modem control signals in a compact 5 x 5 mm MLP-28 package.

The CP2102 UART interface implements all RS-232 signals, including control and handshaking signals, so existing system firmware does not need to be modified. In many existing RS-232 designs, all that is required to update the design from RS-232 to USB is to replace the RS-232 level-translator with the CP2102.

Features of CP2102

- Included USB transceiver, without external circuit device
- Includes a clock circuit, no external circuitry
- Includes power-on reset circuit
- Chip 3.3V voltage regulator output voltage
- Supported data format is 8 data bits, 1 stop bit and parity bits
- 3.3V and 5V dual power output
- Weight: 4g
- with reset signal output, etc. directly to the Arduino board Promini download
- Supported operating systems

Level logic:

- **TTL level** - typically binary data representation provides +5 V equivalent to the logic "1". 0V is equivalent to logic "0".

- **RS232 level**: the -12V to -3V. equivalent to logic "0". +3V to +12V logic level is equivalent to logic "1".