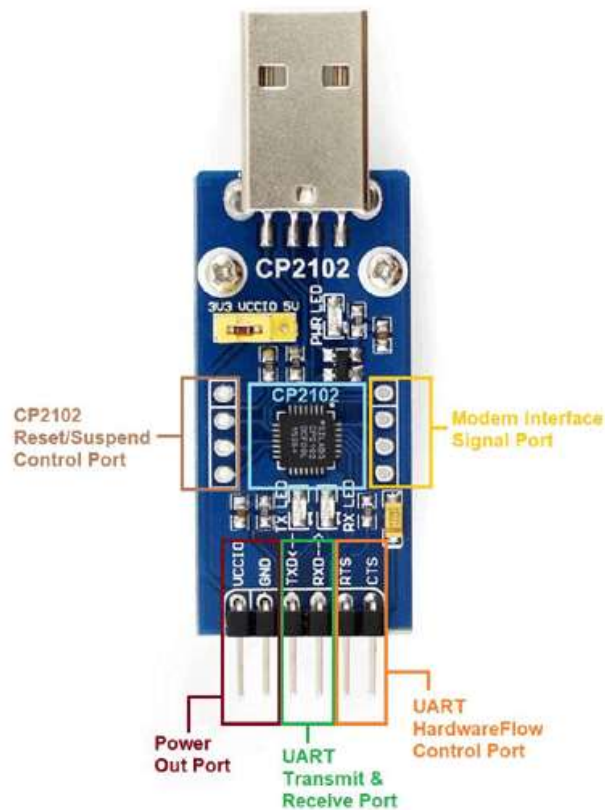CP2102 UART Module integrated with CP2102 IC from SiLabs, which is a single-chip USB to UART Bridge IC. This USB-to-UART bridge controller provides a simple solution to update the design of the RS-232 using minimal components and PCB space. Royalty-free Virtual COM Port (VCP) allows device drivers as a COM port in PC applications. This module allows asynchronous serial data bus (UART) with a USB 2.0 full-speed function controller, USB transceiver, and full modem control signal.
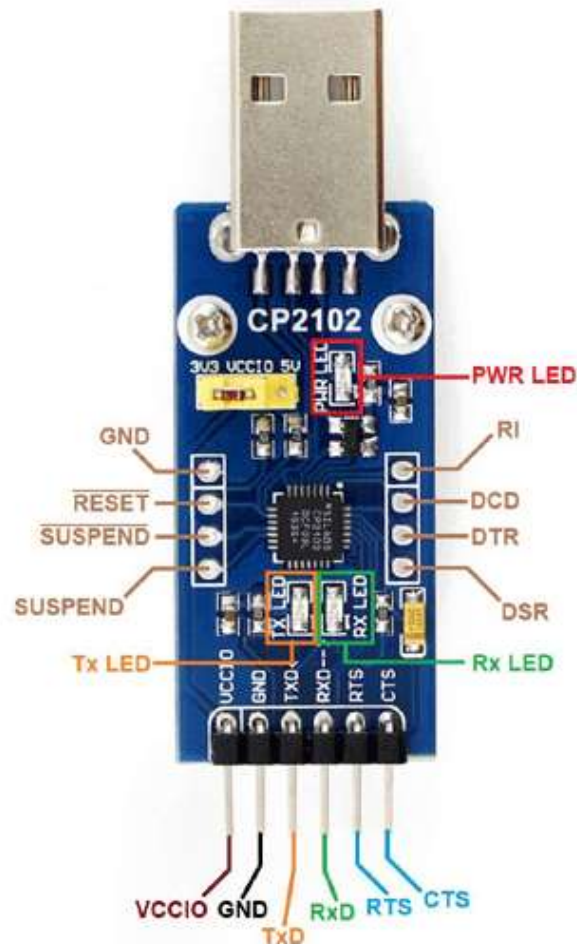
Features

- Stable and reliable chipset CP2102.
- USB specification 2.0 compliant with full-speed 12Mbps.
- Standard USB type A male and TTL 6pin connector.
- All handshaking and modem interface signals.

- Baud rates: 300 bps to 1 Mbps.
- Byte receives buffer; 640 bytes transmit buffer.
- Hardware or X-On/X-Off handshaking supported.
- Works with existing COM port PC Application

    1. Windows 8/7/Vista/Server 2003/XP/2000/CE
    2. Mac OS-X/OS-9
    3. Linux

- USB suspend states supported via SUSPEND pins.
- Size: 50mm X 20mm.

This CP2102 UART module is a USB to TTL UART Converter module which is based on CP2102 Bridge by SiLabs. This CP2102 UART module is compliant with USB2.0 full-speed devices with an integrated transceiver. The USB function controller manages all data transfers between the USB and the UART as well as command requests generated by the USB host controller and commands for controlling the

function of the UART. The USB Suspend and Resume signals are supported for power management of both the CP2102 device as well as external circuitry.

This module can be used as a standard serial port with Laptops that don't have a standard serial port. This module creates a virtual COM port using USB on your computer which can support various standard Baud Rates (300 bps to 1 Mbps) for serial communication. This module includes the TX (transmit) and RX (receive) data signals as well as the RTS, CTS, DSR, DTR, DCD, and RI control signals for supporting the RTS/CTS, DSR/DTR, and X-on/X-off handshaking.