Konverter, micro USB Buchse - UART, CP2102



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Artikel-Nr.:	MUSB-UART-CP
Hersteller:	Waveshare
EAN:	712321341860
Herkunftsland:	China
Zolltarifnummer:	85444290
Gewicht:	0.005 kg

Overview

The **CP2102 USB UART Board (micro)** is an accessory board that features the single-chip USB to UART bridge CP2102 onboard.

CP2102 features:

- Single-Chip USB to UART Data Transfer
  - No external resistors required, no external crystal required
  - On-chip power-on reset circuit and voltage regulator
  - Integrated 1024-Byte EEPROM
- USB Function Controller
  - USB Specification 2.0 compliant; full-speed (12 Mbps)
  - USB suspend states supported via SUSPEND pins
- UART
  - All handshaking and modem interface signals
  - Data formats supported:
    - Data bits: 5, 6, 7, and 8
    - Stop bits: 1, 1.5, and 2
    - Parity: odd, even, no parity
  - Baud rates: 300 bps to 1 Mbits
  - 576 Byte receive buffer; 640 byte transmit buffer
  - Hardware or X-On/X-Off handshaking supported
  - Event character support
- Virtual COM Port Device Drivers
  - Windows 8/7/Vista/Server 2003/XP/2000
  - MAC OS-X/OS-9
  - Linux 2.40 or higher
- USBXpress Direct Driver Support
  - Windows 7/Vista/Server 2003/XP/2000
  - WindowsCE
- Temperature Range

Alle hier aufgeführten Namen und Zeichen sind Eigentum des jeweiligen Herstellers. Druckfehler, Änderungen & Irrtümer vorbehalten.

- –40 to +85 °C

Features

- Supports Mac, Linux, Android, WinCE, Windows 7/8/8.1/...
- Voltage output support: 5V or 3.3V
- Integrated USB protection device: SP0503
- 3 LEDs: TXD LED, RXD LED, POWER LED
- Pins accessible on pinheaders: TXD, RXD, RTS, CTS
- Other pins are accessible on drilled holes, easily connected to user application system (separate pinheaders are provided)

How to Use

In the case of working with a MCU:

- VCCIO: 3.3V or 5V output (the module is powered from USB, onboard jumper should be shorted to 3.3V or 5V)
- GND: connects to GND
- TXD: connects to MCU.RX (signal direction: MCU.RX <
- RXD: connects to MCU.TX (signal direction: MCU.TX >> CP2102 >> PC.RX)
- RTS: connects to MCU.CTS (signal direction: MCU.CTS <
- CTS: connects to MCU.RTS (signal direction: MCU.RTS >> CP2102 >> PC.CTS)

Note: VCP examples and USBXpress driver program library are provided.

Package Content

- CP2102 USB UART Board (micro) × 1
- 4-pin male pinheader & 4-pin female pinheader × 2
- 6-pin custom connector jumper wire × 1

Development Resources

- Wiki : www.waveshare.com/wiki/CP2102_USB_UART_Board_(micro)

Weitere Bilder:

