USB - I2C/IIC/SPI/UART/TTL/ISP All-in-One Converter with CH341A Chipset
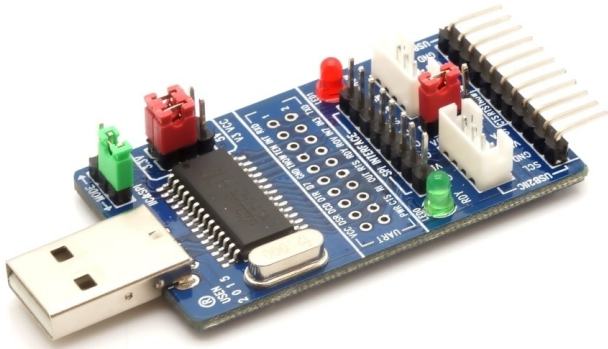
Order number:	AD-CH341A
Hersteller:	Frei
Herkunftsland:	China
Zolltarifnummer:	84718000
Gewicht:	0.001 kg

Single-chip integration of multiple functions, all hardware, to be completed

- USB-> I2C Master a variety of adjustable rate, 20K 100K 400K 750K
- USB-> SPI Master 2M rate, not adjustable
- USB-> UART supports baud rate 50bps ~ 2Mbps baud rate can be configured unconventional
- USB-> EPP / MEM Parallel

Simple, practical, high cost.

Feature

Full-speed USB device interface, compatible with USB2.0, standard USB-A male head design;
PC USB direct interface, power supply, simulation standard serial used to upgrade serial peripheral equipment, or by adding additional USB port;
Support 3.3V and 5V TTL target systems, computer end Windows operating system is fully compatible with serial applications without modification;
Serial support 5,6,7 or 8 data bits, supported by odd parity, even parity, blank, and no check mark;
Supports serial transfer enable, serial receive ready-peer transfer rate control signal and MODEM liaison signal;
By adding level converter module provides RS232, RS485, and other interfaces; (with accessory modules for sale)
Provides two parallel interface mode: EPP and MEM; USB-to-parallel, can be used for simple digital I / O control;
Support multiple serial communication modes, UART, I2C, SPI, etc;
Supports 2-wire and 4-wire synchronous serial interface and other commonly used;
I2C there are four kinds of adjustable rate: 20K, 100K, 400K, 750K;
SPI rate of 2M, support SPI Mode0 write timing;
STC support the full range of MCU program download and debug, STC official recommended program;
Support outwardly output voltage, selectable 3.3V 5V output or not;
Clear working status indication: green and red combination status display, plug the green light for the UART, I2C and red light for the SPI:
Dual-interface output, support 2.54MM 2.0MM pin connector and socket interfaces;
Full-duplex hardware serial ports, built-in transceiver buffer, supports communication baud rate 50bps ~ 2Mbps, unconventional baud rate can be configured.
Support WINDOWS 98 / ME / 2000 / XP / server 2003 / VISTA / server 2008 / WIN 7/8 64/32-bit.
Providing a driving DLL and API interface libraries, a rich source of secondary development program for reference.

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Application

Serial port expansion: Simulate standard serial used to upgrade serial peripheral equipment, or by adding additional USB port;
Hardware Debug: Debug with I2C I2C interface chip, burn I2C interface EEPROM, SPI Interface FLASH memory;
MCU programming: MCU via UART interface to the burning process;
Debugging: Get program information through the UART interface to print, see the program running;
Data collection: via I2C, SPI gets saved sensor data type of equipment;
Brush: Brush the serial port, firmware updates, brush television, routing, motherboards and other equipment.

Weitere Bilder:

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