

- Quick Start Guide (this document)
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- required cables (USB or RS232 serial)
- CP210x evaluation board (CP2104 board pictured as an example)

The CP210x Evaluation Kits contain the following:

The CP210x USB-to-UART smart-interface family provides a simple solution for connecting UART serial peripheral-based designs to USB using a minimum of components and PCB space. The CP210x devices include a USB 2.0 full-speed function controller, USB transceiver, oscillator, EEPROM or One-Time Programmable ROM, and one or more UART interfaces.

CP210x USB-TO-UART EVALUATION KIT QUICK-START GUIDE



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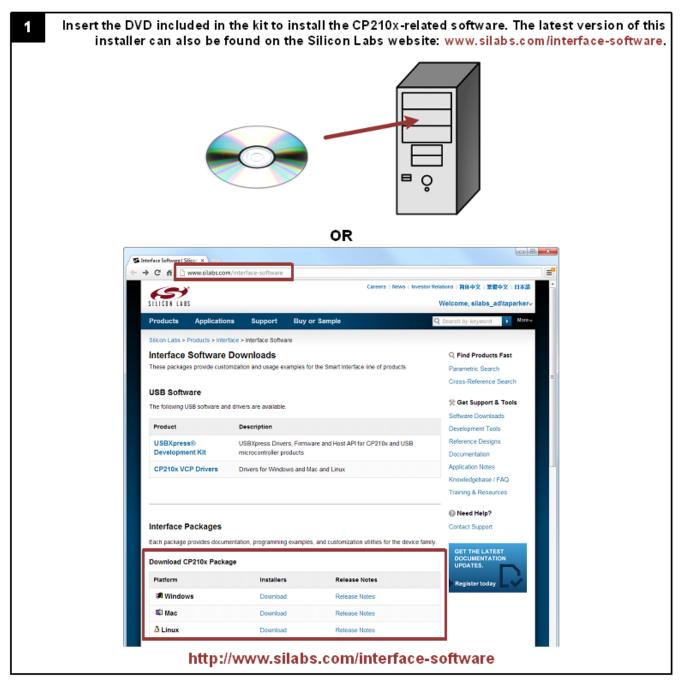
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Mailing Address: 400 W. Cesar Chavez Austin, TX 78701

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A. Getting Started







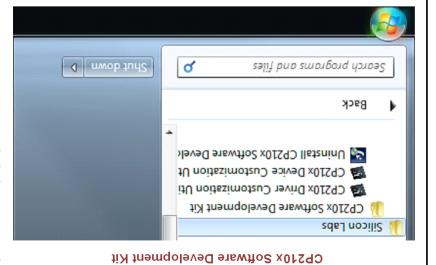
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CP210x USB-to-

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The material installed as part of the SDK includes:

- Documentation
- Data Sheets
- Application Notes
- Users Guides
- and more
- AN721: Device Customization Utility
- Virtual COM Port (VCP) Drivers
- AN220: Driver Customization Utility (Windows) - AN197: Serial COM Port Examples
- AN223: GPIO Read/Write Examples



B. Relevant Documentation

Application Notes:

www.silabs.com/appnotes

- AN721: CP210x/CP211x Device Customization Guide
- AN571: CP210x Virtual COM Port Interface

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- AN220: USB Driver Customization
- AN197: Serial Communications Guide for the CP210x

Software Development Kit:

http://www.silabs.com/interface-software

VCP Drivers:

http://www.silabs.com/interface-software

Device Information:

http://www.silabs.com/smartinterface

Data Sheets:

http://www.silabs.com/smartinterface->USB to UART Bridges->Documentation tab->Data Sheet section

Users Guides

http://www.silabs.com/smartinterface—USB to UART Bridges—Documentation tab—User Guides section

MCU Knowledge Base:

www.silabs.com→Support→Knowledge Base

Contact an Applications Engineer:

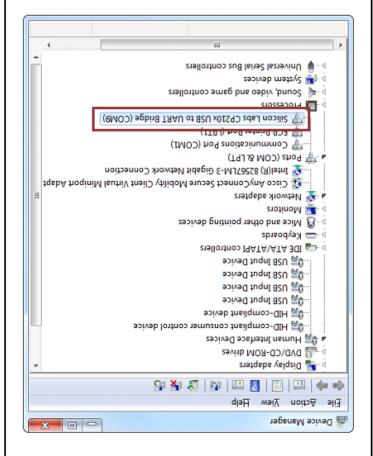
www.silabs.com—Support—Contact Technical Support

Quality Documents:

www.silabs.com/quality

The CP210x device will appear as a COM port in

Microsoft Win32® Communications API. serial device control requests defined in the application and the serial device, and it can support from the reference point of both the host the CP210x functions identically to a real COM port Device Manager in Windows. As a virtual COM port,



perform a loop back test. AX and TX pins to tie RX and TX together and As a quick test, rotate the jumpers on the CP210x CP210x EK **UART Bridge**

RS232

Serial Device

target serial device.

board with the end attachment connecting to the

serial cable to a DB9 connector on the evaluation

Connect the CP210x evaluation board to a PC as

shown using the USB cable. Connect a RS232





rate and select the COM port from from Device verify the CP210x UART functionality. Set the baud downloaded separately, RealTerm pictured) to In Windows, open a serial terminal program

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