A. Getting Started





Quick Start Guide (this document)

- - DVD
 - RS232 serial cable
 - **USB** cable
- CP2110 evaluation board (pictured)
- The CP2110 Evaluation Kit contains the following:

interface. include a USB 2.0 full-speed function controller, USB transceiver, oscillator, One-Time Programmable ROM, and one UART designs to USB using a minimum of components and PCB space without needing to install or certify a driver. The CP2110 devices The CP2110 UIB USB-to-UPAT smart-interface family provides a simple solution for connecting UPAT serial peripheral-based

CP2110 HID USB-TO-UART EVALUATION KIT QUICK-START GUIDE



EVALUATION BOARD/KIT IMPORTANT NOTICE

Silicon Laboratories Inc. and its affiliated companies ("Silicon Labs") provides the enclosed evaluation board/kit to the user ("User") under the following conditions:

This evaluation board/kit ("EVB/Kit") is intended for use for ENGINEERING DEVELOPMENT, TESTING, DEMONSTRATION, OR EVALUATION PURPOSES ONLY and is not a finished end-product fit for general consumer use. ANY OTHER USE, RESALE, OR REDISTRIBUTION FOR ANY OTHER PURPOSE IS STRICTLY PROHIBITED. This EVB/Kit is not intended to be complete in terms of required design-, marketing-, and/or manufacturing-related protective considerations, including product safety and environmental measures typically found in end products that incorporate such semiconductor components or circuit boards. As such, persons handling this EVB/Kit must have electronics training and observe good engineering practice standards. As a prototype not available for commercial reasons, this EVB/Kit does not fall within the scope of the European Union directives regarding electromagnetic compatibility, restricted substances (RoHS), recycling (WEEE), FCC, CE or UL, and therefore may not meet the technical requirements of these directives or other related directives.

Should this EVB/Kit not meet the specifications indicated in the User's Guide, the EVB/Kit may be returned within 30 days from the date of delivery for a full refund. THE FOREGOING WARRANTY IS THE EXCLUSIVE WARRANTY MADE BY SILICON LABS TO USER, IS USER'S SOLE REMEDY, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, DESIGN, WORKMANSHIP, OR FITNESS FOR ANY PARTICULAR PUR-POSE

User assumes all responsibility and liability for proper and safe handling of the EVB/Kit. Further, User indemnifies Silicon Labs from all claims arising from User's handling or use of the EVB/Kit. Due to the open construction of the EVB/Kit, it is User's responsibility to take any and all appropriate precautions with regard to electrostatic discharge.

EXCEPT TO THE EXTENT OF THE INDEMNITY SET FORTH ABOVE, NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CON-SEQUENTIAL DAMAGES.

Neither Silicon Labs nor User is obligated to perform any activities or conduct any business as a consequence of using the EVB/Kit, and neither party is entitled to any form of exclusivity with respect to the EVB/Kit.

Silicon Labs assumes no liability for applications assistance, customer product design, software performance, or infringement of patents or services described herein.

Please read the User's Guide and, specifically, the Warnings and Restrictions notice in the User's Guide prior to handling the EVB/Kit. This notice contains important safety information about temperatures and voltages. For additional environmental and/or safety information, please contact a Silicon Labs application engineer or visit www.silabs.com/support/quality.

No license is granted under any patent right or other intellectual property right of Silicon Labs covering or relating to any machine, process, or combination in which the EVB/Kit or any of its components might be or are used.

User's use of this EVB/Kit is conditioned upon acceptance of the foregoing conditions. If User is unwilling to accept these conditions, User may request a refund and return the EVB/Kit to Silicon Labs in its original condition, unopened, with the original packaging and all documentation to:

Mailing Address 400 W. Cesar Chavez Austin, TX 78701

connection. characters in the Receive box through the loop back box, and click the Transmit button. The CP2110 will echo the connect to the device, type some bytes in the Transmit text In the HIDUartExample application, press the Connect button to

20232000 of betred		
Get Set		
	*	
CbIO'8: \Lambda CbIO'8: <	safisafi	et 66 (adam
in Control	Data Transfer Transmit:	
(* °N) (* T) (* N) (* 8	Product:	Sphifit TAAU-of-82U GIH 011292
Di Bi Ri EC:	Manufacturer:	Silicon Laboratories
112500	Part Number:	I .Version: I
sate 8 bues		
	:rtte9	%662351%3#0869_biq82501_biv#bir/{5//
Disconnect	:lene2	0002E2C2
SOOSESC2	:DIV	10c4 bID: 6980
		UO

CP2110

together and perform a loop back test. CP2110 RX and TX pins to tie RX and TX As a quick test, rotate the jumpers on the

6



B. Relevant Documentation

:setoN noitscilqqA

vilaup/moo.edalie.www Quality Documents:

33: Second Secon

Users Guides

Data Sheets:

Device Information:

Contact an Applications Engineer:

sefonqqs-ecom/interface-appnotes

AN721: CP210x/CP211x Device Customization Guide

tropport to the state of t

http://www.kishs.com/smartinterface—bdS to URAL Bridges—bDocumentation tab—bdsr Guides section

http://www.liaps.com/satartinterface->DSUC+>Documentation tab->Data Sheet section

siabs.com→Support→Knowledge Base

- AN433: CP2110 HID to UART API Specification







http://www.silabs.com/smartinterface











. Doard is properly connected to the PC. The red Suspend LED will turn on when the

sənif bra smargard hərbələr

Voinstall CP2110_4 Software Dev 4 CP2110_4 HidUartExample

CP2110_4_SDK Customization Ut 10

CP2110_4 Software Development Kit

CP2110_4 HidUartExample

- 👹 Universal Serial Bus controllers

siallottoo amég bris oabiv, (bruo? 🌗

sevice and other pointing devices

zıəlloıtnos IQATA\ATA 30I 🕋 əəivəG tuqnI 82U 🞆

əəivəd tuqnI 82U 🞆

B Input Device əəivəG tuqnI 82U 🞆

esoived estenan Interface Devices

DVD/CD-ROM drives

ərətqebe yelqziQ 🚛

səvinb AziQ 💼 📲 Computer

Eile <u>A</u>ction <u>V</u>iew <u>H</u>elp

nevice Manager 📇

G

evice fillo-compliant device

💁 🏠 💐 🔯 🔛 🚺 📋 🔛 🦛 🔿

seoiveb metay2 🜉

zretqebe krowten 🚇 zrotinoM 🗾

Processors (T91 & MOO) 2hod 👘

📼 Keyboards

CP2110_4 Software Development Kit →

Back

Sdilicon Labs

← sdsJ nooiliS

← amsrporg IIA

▲ the fact →

L

A nwob tude

.ewobniW/slqmsx3thsUbiH

directory for this software is

C:/SiLabs/MCU/CP2110_4_SDK/Software/

Open the CP2110 HID UART Example through

solveb lottroo

8

package to simplify this process.

Labs provides a DLL with the CP2110 install

device, the CP2110 can be accessed using

IIH ns zA .zwobniW ni regensM epived ni

standard Windows USB HID functions. Silicon

The CP2110 device will appear as an HID device

the Start menu. The default installation

d

9

