

CP2112 HID USB to SMBus/I²C Evaluation Kit Quick-Start Guide



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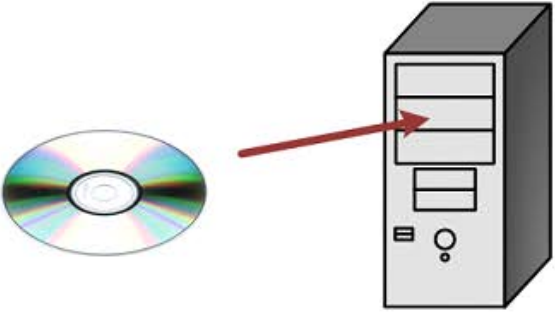
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Mailing Address:
400 W. Cesar Chavez
Austin, TX 78701

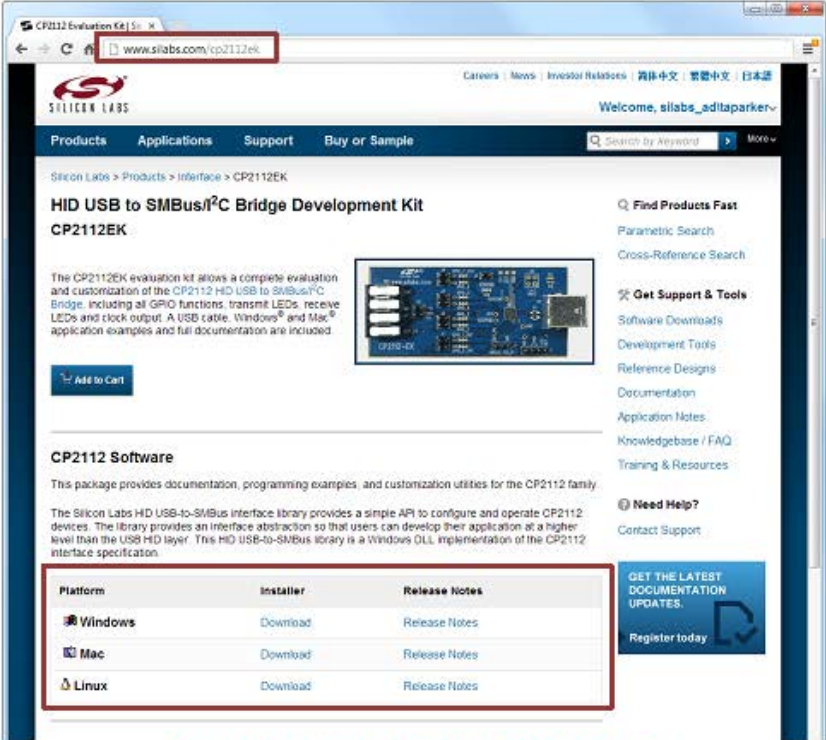
A. Getting Started

1

Insert the DVD included in the kit to install the CP2112-related software. The latest version of this installer can also be downloaded from the website by navigating to www.silabs.com/CP2112EK and clicking on the **Download** link for the appropriate operating system.



OR



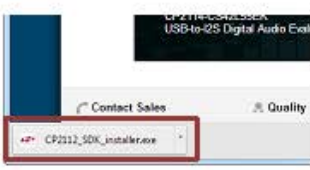
<http://www.silabs.com/CP2112EK>

2

Inserting the DVD will open the kit selection screen. Navigate the menus to launch the correct installer. If downloading the installer from the website, run the installer from the download location.



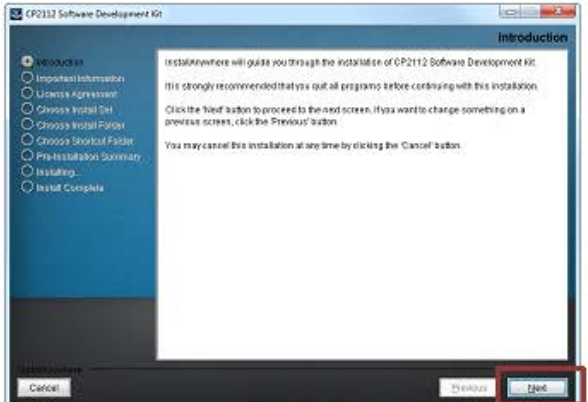
OR



Note: Windows installation process shown.

3

Click on **Next**, accept the license agreement, and complete the installer steps. The installer may prompt to restart the PC when installation completes.



4

Connect the CP2112 evaluation board to a PC as shown using the USB cable. Connect three wires from the terminal (TB1) connector or the header (H1) on the evaluation board to the target device for ground, SDA, and SCL.

5

The CP2112 device will appear as an HID device in Device Manager in Windows. As an HID device, the CP2112 can be accessed using standard Windows USB HID functions. Silicon Labs provides a DLL with the CP2112 install package to simplify this process.

6

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

7

Open the CP2112 HID SMBus Example through the Start menu. The default installation directory for this software is `C:\Silicon Labs\MCU\CP2112_SDK\Software\HidSmbusExample\Windows`.

Start → All Programs → Silicon Labs → CP2112 Software Development Kit → CP2112 HidSmbusExample

8

In the **HID**SMBusExample**** application, connect to the device using the **Connect** button and change the settings in the **Configuration** tab as needed for target device compatibility.

9

Click on the **Data Transfer** tab to transfer data between the target device and the PC. Add data to the **Data to Write** text box, then click the **Write Request** button to send the data. Click the **Read Response** button to initiate a read, then the **Get Read Response** button to read the data or current device status.

B. Relevant Documentation

- Application Notes:
- AN721: CP210X/CP21X Device Customization Guide
 - AN496: CP2112 HID-to-SMBus API Specification
 - AN495: CP2112 Interface Specification

Device Information:
<http://www.silabs.com/smartinterface>

Data Sheets:

<http://www.silabs.com/smartinterface>→HID USB to SMBus/I²C Bridge→Documentation tab→Data Sheet section

Users Guides

<http://www.silabs.com/smartinterface>→HID USB to SMBus/I²C Bridge→Documentation tab→User Guides section

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