



USB2530API Release Notes

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1 Introduction

This document provides information on using the MCHP USB2530 SDK.

2 Legal Information

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3 OS supported

Windows 7 (32 and 64 bit)

3.1 *Tools required*

Visual studio 2010

4 Supported SKU List

The following devices are supported in this SDK

- USB253x
- USB46x4
- USB3x13

5 Directory Structure

- **WINUSB driver:** Contains the driver required for this SDK to work.
- **APIHeader:** Contains the header file (supported API list) in this SDK
- **APILib:** Contains the library file that supports the API list in the header file
- **USBSDKSampleApp:** Contains the Sample Visual Studio project(2010 or later) that demonstrates the usage of the library for different bridging functionalities.
- **USBSDKSampleApp\Release\USBSDKSampleApp.exe:** Sample application using this API and library
- **USB2530API User Manual.docx:** User Manual for the list of APIs supported in this SDK

6 Release History

6.1 *Version 1.4*

6.1.1 Changes in Version 1.4

- Initial version
- First official release on MCHP website

6.1.1.1 Feature Addition

None

6.1.1.2 Bug Fix

None

7 WinUSB Driver Installation

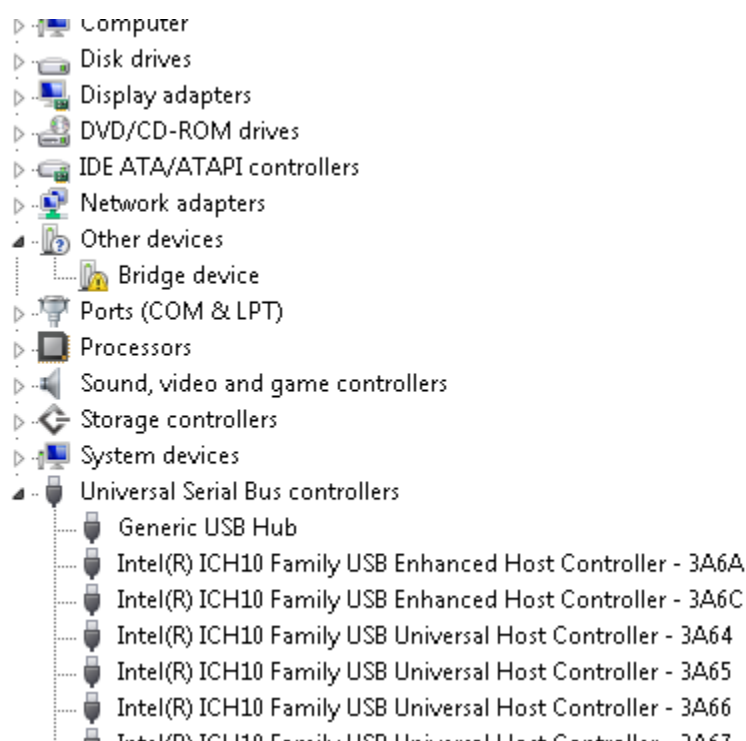
Most of the functionalities exposed through the SDK are supported through USB2530, the embedded USB device, that's part of USB2534. This section guides you through the installation of WinUSB driver required to use the USB2530API Library.

It is assumed that

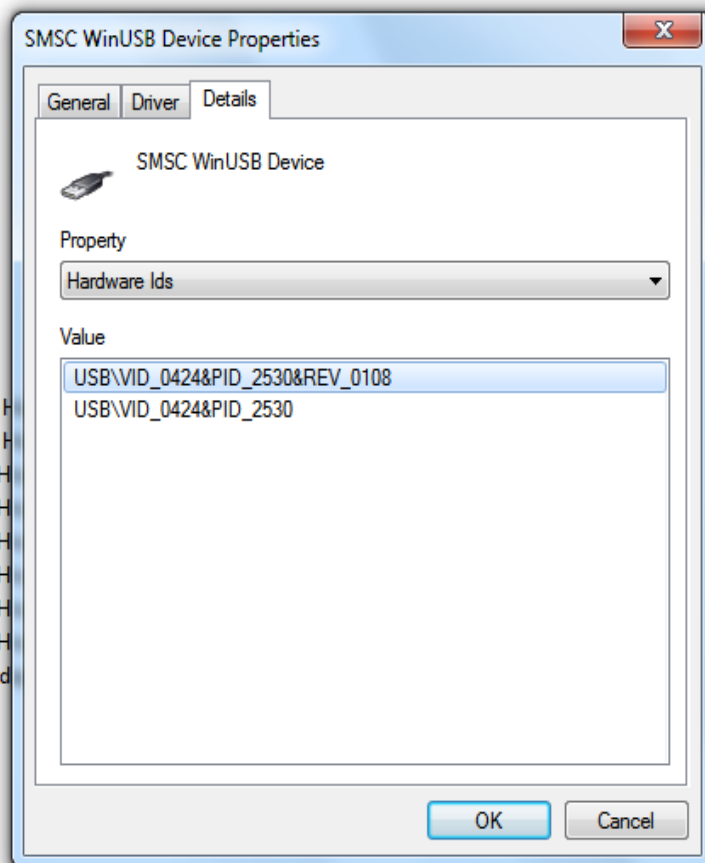
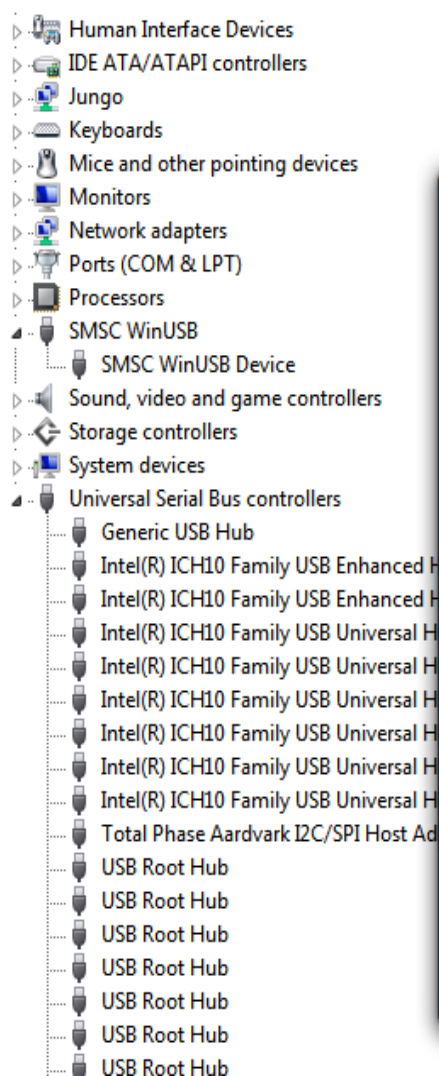
- 5th Endpoint (the internal USB2530 device) is already enabled in the USB2534 Hub
- User has administrative privileges in the system to install a driver.

The steps to install a WinUSB driver for the USB 2530 device are described below.

1. The internal USB device of USB2534 Hub (whose VID is 0424 and PID is 2530 by default) will be enumerated by the PC as “Bridge Device”. The screenshot below shows the device manager view.



2. User should right click the ‘Bridge Device’ icon and Update the driver. The path of the driver must be selected to the path of WinUSB driver provided with the library.
3. In the device manager ‘SMSC WinUSB Device’ should be visible with PID 2530 as shown in the following figure.



8 Steps to use this SDK

1. Plug in the USB2530 family device
2. Install the driver as described in Section 7
3. Run the sample exe under the release folder in the sample application project.
(USBSDKSampleApp\Release\USBSDKSampleApp.exe)