



Protouch2 USB2530 Linux SDK 1.0 Release Notes

Protouch2 Linux SDK Release Notes

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1 Introduction

This document provides release information about Protouch2 Linux SDK 1.0.

2 Legal Information

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3 OS supported

- Linux - Ubuntu 10.04.3 LTS ,
- Linux Mint 13 - Kernel 3.2.0-23

4 USB Controllers supported

1. EHCI - USB 2.0
2. XHCI - USB 3.0

Note: External PCI USB controllers are not supported.

5 Supported SKU List

The following devices are supported in this release

- USB5734
- USB5744

6 Prerequisites

- GCC version 4.92
- C++ version – C++11
- GNU make 3.81
- Linux kernel – 3.0.2-23

7 Release History

7.1 Version 1.0

7.1.1 PT2 library

7.1.1.1 Features

Following API's are available as part of this release,

- Device Open / Close APIs
 - MchpUsbOpenID
 - MchpUsbClose
- GPIO Bridging APIs
 - MchpUsbGpioGet
 - MchpUsbGpioSet
 - MchpUsbConfigureGpio
- XDATA Bridging APIs
 - MchpUsbXdataRead
 - MchpUsbXdataWrite
- Flexconnect API
 - MchpUsbFlexConnect
- I2C Bridging APIs
 - MchpUsbI2CSetConfig
 - MchpUsbI2CRead
 - MchpUsbI2CWrite
 - MchpUsbI2CTransfer
- SPI Bridging APIs
 - MchpUsbSpiSetConfig
 - MchpUsbSpiFlashRead
 - MchpUsbSpiFlashWrite
 - MchpUsbSpiTransfer
- Programming APIs
 - MchpProgramFile

7.1.2 Examples

7.1.2.1 Features

- These are the sample applications that can be used to exercise the API's provided in this release.
- There are 6 applications included.
 - Flex connect demo
 - GPIO Toggle sample application
 - Register read write sample application.
 - I2C Bridging sample application
 - SPI Bridging sample application
 - OTP Programmer sample application

7.1.3 Known limitations

- Programming multiple options (SPI Firmware, Configuration file, Serial Number) at one shot is not supported
- If multiple hubs with same vendor id and product id are connected, then the tool will select and connect to the first device. This will be addressed in the next release.