



Protouch2 MAC SDK Release Notes



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REV	DATE	ORIGINATOR	DESCRIPTION OF CHANGE
0.9	11/3/2015	Karpagam A	Initial version

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1 Introduction

This document provides release information about Protouch2 MAC SDK.

2 Legal Information

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3 OS supported

- OS X Yosemite
- OS X El Capitan

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

- Xcode
- libusb

7 Package Content

The release package contains the following files and directories

7.1 *mac*

This Folder contains the pt2lib xcode project

- pt2lib.xcodeproj

7.2 *src*

This Folder contains source code for library(lib_src) and sample application (app_src)

7.2.1 lib_src

- MchpUSBInterface.cpp
- MchpUSBInterface.h
- typedef.h
- USB2740_SpiFlash.cpp
- USB2740_SpiFlash.h
- USBHubAbstraction.cpp
- USBHubAbstraction.h

7.2.2 app_src

- FlexConnect.cpp
- gpio.cpp
- i2c_bridging.cpp
- OTP_Programmer.cpp
- register_rw.cpp
- spi_bridging.cpp

8 Release History

8.1 *Version 0.9*

8.1.1 PT2 library

8.1.1.1 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

8.1.2 Sample application

8.1.2.1 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

8.1.3 Known limitations

- The tool supports programming of only one Microchip device at a time.
- 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.