

Scope

This document describes how to test USB Device mouse example.

Preparation

Host

Personal computer running Windows Xp or Windows 7.

Device

A board, i.e. twrk22f120m, which is running dev_hid_mouse example.

Libraries dependency

The libraries dependency for various RTOS lists as following,

BM

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_bm`
- `<install_dir>/lib/ksdk_platform_lib/<tool_chain>/<platform>`

FreeRTOS

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_freertos`
- `<install_dir>/lib/ksdk_freertos_lib/<tool_chain>/<platform>`

MQX

Library project path:

- `<install_dir>/rtos/mqx/mqx/build/<tool_chain>/mqx_<board>`
- `<install_dir>/rtos/mqx/mqx_stdlib/build/<tool_chain>/mqx_stdlib_<board>`
- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_mqx`
- `<install_dir>/lib/ksdk_mqx_lib/<tool_chain>/<platform>`

uCOSii

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_ucosii`

- `<install_dir>/lib/ksdk_ucosii_lib/<tool_chain>/<platform>`

uCOSiii

Library project path:

- `<install_dir>/usb/usb_core/device/build/<tool_chain>/usbd_sdk_<board>_ucosiii`
- `<install_dir>/lib/ksdk_ucosiii_lib/<tool_chain>/<platform>`

Refer to **Integration of the USB Stack and Kinetis SDK_review.pdf**(`<install_dir>/doc`) on how to build the corresponding libraries.

Steps

Follow the steps to run the device mouse demo.

1. Plug-in the mouse device which is running `dev_hid_mouse` example into PC. You will see a HID-compliant mouse enumerated in Device Manager.
2. You can see the mouse arrow moving on PC's screen according to the rectangular rotation.