Overview

This Host HID example is a simple demonstration program that uses the KSDK.
The application can suport mouse device, it will print the mouse operation when mouse device is attached.

System Requirement

Hardware requirements

- J-Link ARM
- P&E Micro Multi-link universal
- Mini/micro USB cable
- USB A to micro AB cable
- Hardware (tower/base board, ...) for specific device
- Personal Computer(PC)

Software requirements

- The project path is: <SDK_Install>/boards/<board>/usb/usb_host_hid_mouse/<RTOS>/<toolchain>.

Note

The RTOS is BM, FreeRTOS, UCOSII or UCOSIII.

Getting Started

Hardware Settings

- The Jumper settings:
  JP12 connected .

Prepare the example

1. Download the program to the target board.
2. Power off the target board. And then power on again.
3. Connect devices to the board.

Note

For detailed instructions, see the appropriate board User's Guide.

Run the example

1. Connect board uart to PC and open the COM port in a terminal tool.
2. Plug in hub or mouse deivce to the board, the attach information print out in the terminal.
3. The mouse operation information will print in the terminal when you operate the mouse.
   Application print mouse operation informations in one line. Each line contain the following sequential

string: "Left Click", "Middle Click", "Right Click", "Right"/"Left" movement, "UP"/"Down" movement and "Wheel Down"/"Wheel Up" movement. Whitespace will replace the above string if mouse don't have the corresponding operation.

```
for example: when mouse move right and up, "
   Right UP             " print in the terminal.
```

The follow picture is an example for attaching one mouse deivce.