Overview

The USB HID mouse application is a simple demonstration program that uses the KSDK software. It is enumerated as a mouse. Users can see the mouse arrow moving on the PC screen according in a rectangular fashion.

System Requirements

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 a specific device

- Personal Computer(PC)

Software requirements

- The project files for lite version examples are in:

  <SDK_Install>/boards/<board>/usb_examples/usb_device_hid_mouse_lite/<RTOS>/<toolchain>.

  For non-lite version example, the path is:

  <SDK_Install>/boards/<board>/usb_examples/usb_device_hid_mouse/<RTOS>/<toolchain>.

  Note

  The RTOSes are bare metal, FreeRTOS OS, μCOSII OS, and μCOSIII OS.

Getting Started

Hardware Settings

Prepare the example

1. Download the program to the target board.

2. Connect the target board to the external power source (the example is self-powered).

3. Power off the target board. Then power on again.

4. Connect a USB cable between the PC and the USB device port of the board.

Note

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

Run the example

1. Plug-in the device, which is running HID mouse example, into the PC. A HID-compliant mouse is enumerated in the Device Manager.

2. The mouse arrow is moving on PC screen in the rectangular rotation.