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

- The Jumper settings:

  J4 1-2, J27 1-2 and remove all jumpers from J35 for micro USB connector. 1-2, J27 2-3, and remove all jumpers from J35 for using TWR-SER mini USB connector.

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.