Overview

This Host HID example only suport HID generic device that runs device HID generic example.
This application implements simple HID interrupt in and out endpoint bidirection communication. The application will send one test string to device, the device will receive and send back the string, the application receive the string and print it.

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_generic/<RTOS>/<toolchain>.

Note

The RTOS is BM or FreeRTOS.

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 HID generic device to the board, the attach information print out in the terminal.

3. the follow string print in the terminal.

   ```
   Test string: This is usb host hid generic demo, it only support pid=0x007f and vid=0x15a2 hid device. Host send this test string to device, device reply the data to host then host print the data
   ```

The follow picture is an example for attaching one HID generic deivce.