NUC121 DFU

manifest_state

DFU FW config setting

- **MCU boot in LDROM for DFU updated APROM demo**


```
Build Output

compiling clk.c...

linking...

Program Size: Code=2624 RO-data=412 RW-data=120 ZI-data=1536

After Build - User command #1: fromelf --bin ".\obj\USBD_HID_Transfer.axf" --output ".\obj\USBD_HID_Transfer.bin"

After Build - User command #2: fromelf --text -c ".\obj\USBD_HID_Transfer.axf" --output ".\obj\USBD_HID_Transfer.txt"
```
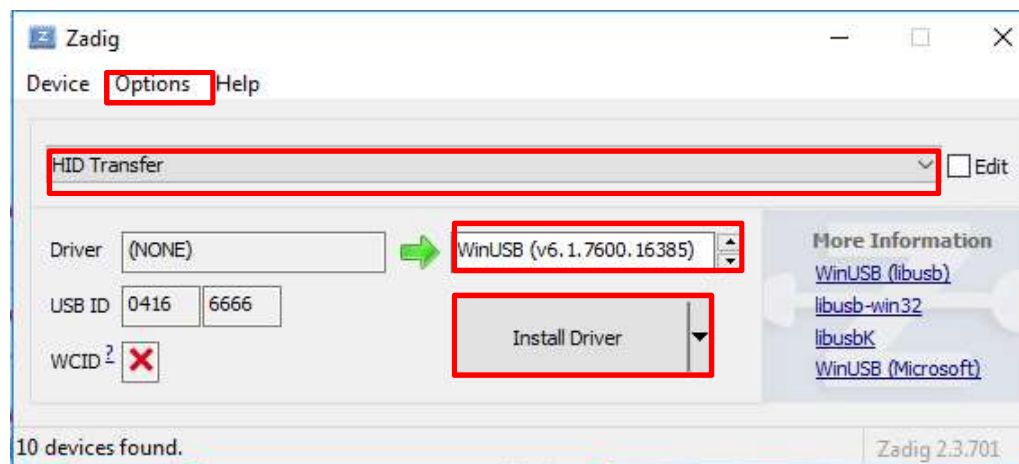
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DFU driver

下载USB 驱动安装工具Zadig.exe

下载地:http://zadig.akeo.ie/downloads/zadig_2.2.exe

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运行Zadig.exe,会进入如下界面

1, 選擇option->list all devices

2, 在下拉框中选择设备"HID transfer"

3, 選擇winusb 驅動

3,点击Install Driver

如果有弹出Windows 系统对话框,点击继续安装。

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DFU app

- 下载DFU-Util 工具
- 下载地址（64 位Windows 系统）
  - http://dfu-util.sourceforge.net/releases/dfu-util-0.9-win64.zip
- 解压文件至你的电脑，例如"桌面>dfu-util-0.9-win64"，无需安装即可使用

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- 在"运行"框中输入"cmd"，打开Windows 终端工具
- 進入\dfu-util-0.9-win64 目錄
- 執行dfu-util.exe –a 0 -d 0x0416:0x6666 –D c:\bin.file
  - -a:燒錄起始位址
  - -d: devices pid and vid
  - -D: download file

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Execution

```
C:\Users\jcliu\Desktop\dfu-util-0.9-win64>dfu-util.exe -a 0 -d 0x0416:0x6666 -D c:\USBD_HID_Transfer.bi
dfu-util 0.9

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This program is Free Software and has ABSOLUTELY NO WARRANTY
Please report bugs to http://sourceforge.net/p/dfu-util/tickets/

Invalid DFU suffix signature
A valid DFU suffix will be required in a future dfu-util release!!!
Opening DFU capable USB device...
ID 0416:6666
Run-time device DFU version 0110
Claiming USB DFU Interface...
Setting Alternate Setting #0 ...
Determining device status: state = dfuIDLE, status = 0
dfuIDLE, continuing
DFU mode device DFU version 0110
Device returned transfer size 1024
Copying data from PC to DFU device
Download         [=========================] 100%          6600 bytes
Download done.
state(6) = dfuMANIFEST-SYNC, status(0) = No error condition is present
state(2) = dfuIDLE, status(0) = No error condition is present
Done!

C:\Users\jcliu\Desktop\dfu-util-0.9-win64>
```

Confidential

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