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Category	■ FAQ □ SOP	Related OS	QNX6.5
Abstract	[HOWTO] Install FPM-7211 USB Driver under QNX6.5		
Keyword	FPM-7211, USB, QNX		
Related Product	FPM-7211		

■ Problem Description:

[HOWTO] Install FPM-7211 USB Driver under QNX6.5

■ Brief Solution - Step by Step:

Environment: UNO-2174G (x86) and QNX 6.5, USB Touch.

1. Copy driver to QNX file system. Should included following files

```

Little Endian
SW602130_Elo_Linux_Serial_Driver_v3.3.2_i686
# cd Little\ Endian/
# ls
.      Installation Guide.txt  touchload.sh
..     arm
EETI_UserSetting.ini          sh
#
# ping 172.16.13.100

```

2. Copy EETI_UserSetting.ini to /usr/photon/config/

```

SW602130_Elo_Linux_Serial_Driver_v3.3.2_i686
# cd Little\ Endian/
# ls
.      Installation Guide.txt  touchload.sh
..     arm
EETI_UserSetting.ini          sh
#
# cp EETI_UserSetting.ini /usr
usb.txt  usr/
# cp EETI_UserSetting.ini /usr
usb.txt  usr/
# cp EETI_UserSetting.ini /usr/photon/config/

```

3. Copy "x86/devu-touch-mouse" to /usr/photon/bin/

```

# cd x86/
# pwd
/home/Little Endian/x86
# ls
.      devu-touch-mouse
..     eeti_devi
# cp devu-touch-mouse /usr
usb.txt  usr/
# cp devu-touch-mouse /usr/photon/bin/

```

4. Copy "x86/eeti_devi" to /usr/photon/bin/

```

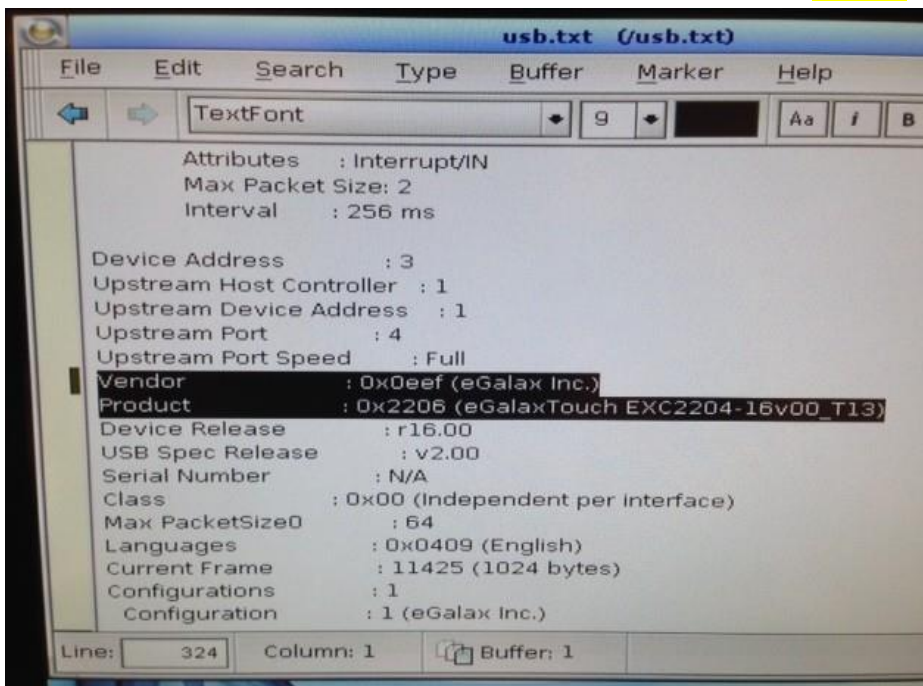
# pwd
/home/Little Endian/x86
# ls
.      devu-touch-mouse
..     eeti_devi
# cp devu-touch-mouse /usr
usb.txt  usr/
# cp eeti_devi /usr
usb.txt  usr/
# cp eeti_devi /usr/photon/bin/

```

5. Generate USB device info by command “usb -vvv > /usb.txt”. Command “ped /usb.txt” to review the info.

```
photon:/home/Little Endian/x86
# ls
..          devu-touch-mo
.           eeti_devi
# cp devu-touch-mouse /usr
usb.txt    usr/
# cp eeti_devi /usr
usb.txt    usr/
# usb -vvv > /usb.txt
# pe
ped peg
# ped /usb.txt
```

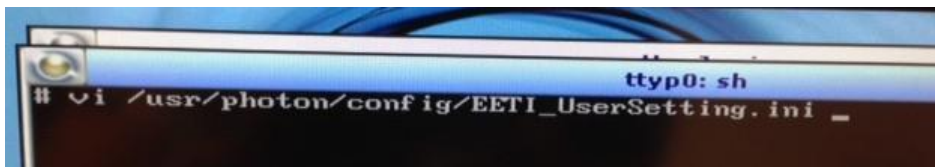
6. Find “Vendor” string for eGalax and get PID from Product. 0x2206 for example here.



The screenshot shows a window titled "usb.txt (/usb.txt)" with a menu bar (File, Edit, Search, Type, Buffer, Marker, Help) and a toolbar. The main area displays USB device information for a device with Vendor ID 0x00eef (eGalax Inc.) and Product ID 0x2206 (eGalaxTouch EXC2204-16v00_T13). The information includes attributes, device address, upstream host/controller details, device release, USB spec release, serial number, class, max packet size, languages, current frame, configurations, and configuration details.

```
usb.txt (/usb.txt)
File Edit Search Type Buffer Marker Help
TextFont 9
Attributes : Interrupt/IN
Max Packet Size: 2
Interval : 256 ms
Device Address : 3
Upstream Host Controller : 1
Upstream Device Address : 1
Upstream Port : 4
Upstream Port Speed : Full
Vendor : 0x00eef (eGalax Inc.)
Product : 0x2206 (eGalaxTouch EXC2204-16v00_T13)
Device Release : r16.00
USB Spec Release : v2.00
Serial Number : N/A
Class : 0x00 (Independent per interface)
Max PacketSize0 : 64
Languages : 0x0409 (English)
Current Frame : 11425 (1024 bytes)
Configurations : 1
Configuration : 1 (eGalax Inc.)
Line: 324 Column: 1 Buffer: 1
```

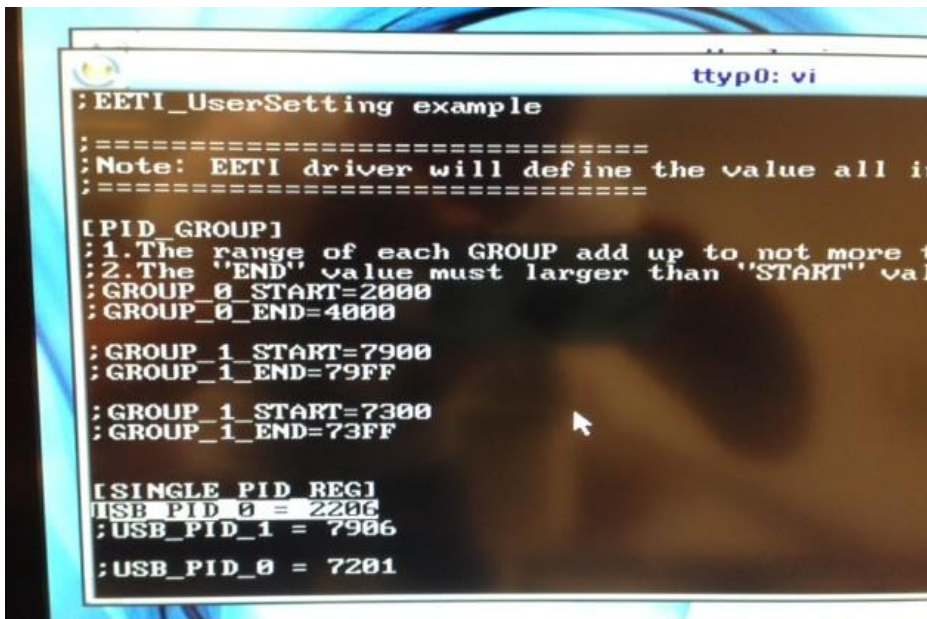
7. Edit EETI_UserSetting.ini



The screenshot shows a terminal window with the prompt "ttyp0: sh" and the command "vi /usr/photon/config/EETI_UserSetting.ini" entered.

```
ttyp0: sh
# vi /usr/photon/config/EETI_UserSetting.ini
```

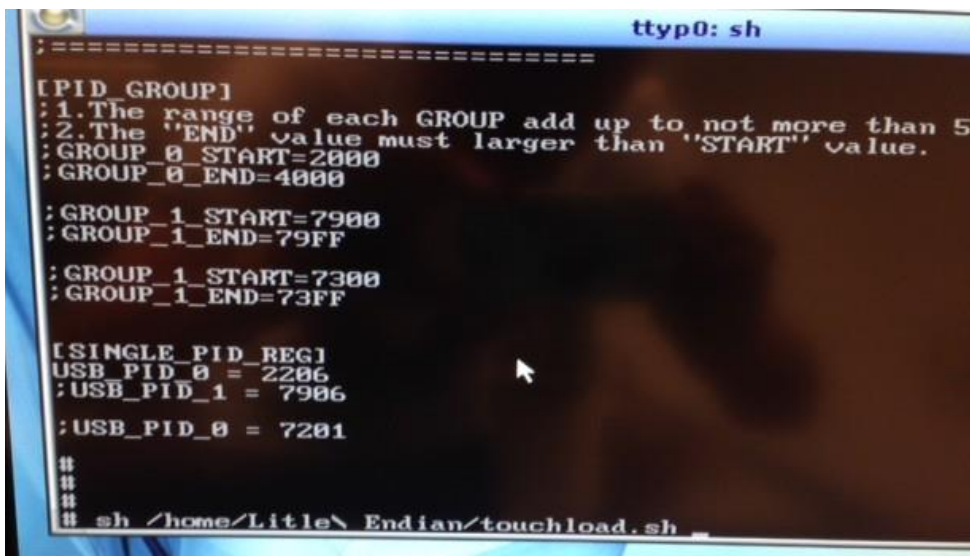
8. Comment (;) all configuration except [SINGLE_PID_REG] and USB_PID_0, and set the value which from step 6. Which is 2206 for example here.



```
tty0: vi
;EETI_UserSetting example
;=====
;Note: EETI driver will define the value all in
;=====
[PID_GROUP]
;1.The range of each GROUP add up to not more t
;2.The "END" value must larger than "START" val
;GROUP_0_START=2000
;GROUP_0_END=4000
;GROUP_1_START=7900
;GROUP_1_END=79FF
;GROUP_1_START=7300
;GROUP_1_END=73FF

[SINGLE_PID_REG]
;USB_PID_0 = 2206
;USB_PID_1 = 7906
;USB_PID_0 = 7201
```

9. Run touchload.sh



```
tty0: sh
;=====
[PID_GROUP]
;1.The range of each GROUP add up to not more than 5
;2.The "END" value must larger than "START" value.
;GROUP_0_START=2000
;GROUP_0_END=4000
;GROUP_1_START=7900
;GROUP_1_END=79FF
;GROUP_1_START=7300
;GROUP_1_END=73FF

[SINGLE_PID_REG]
;USB_PID_0 = 2206
;USB_PID_1 = 7906
;USB_PID_0 = 7201

#
#
#
# sh /home/Litle\ Endian/touchload.sh _
```

10. USB touch should work now without reboot.

■ **Reference:**