
i-756x/I-756xU

Linux User Manual

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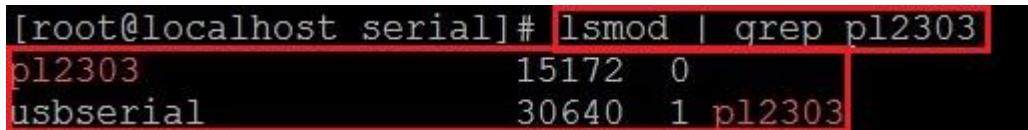
1. i-756x/756xU Linux Driver Installation

The i-756x(I-7560/7561/7563/7565), i-756xU(7560U/7561U/7563U/7565 V2) can be used in Linux OS. For Linux O.S, the recommended installation and uninstall steps are given in Sec 1.1 ~ 1.2

1.1 Linux Driver Installing Procedure in Linux PC or LinPAC

1.1.1 i-7560/7561/7563/7565

- Linux can install the driver module “pl2303” for I-7560/7561/7563/7565 automatically. User can use Linux command “dmesg | grep pl2303”to check the driver. Please refer to Figure1-1.



```
[root@localhost serial]# lsmod | grep pl2303
pl2303                15172  0
usbserial             30640  1 pl2303
```

Figure1-1

1.1.2 i-7560U/7561U/7563U/7565 V2

- Most Linux can install the driver module “ftdi_sio” for I-7560U/7561U/7563U/I-7565 V2 automatically. If the Linux OS can’t install driver automatically, user can use Linux command to install the driver.

Please noticed your kernel version , there are two way to install ftdi_sio driver.(kernel below 3.12.0 & kernel 3.12.0 and above)

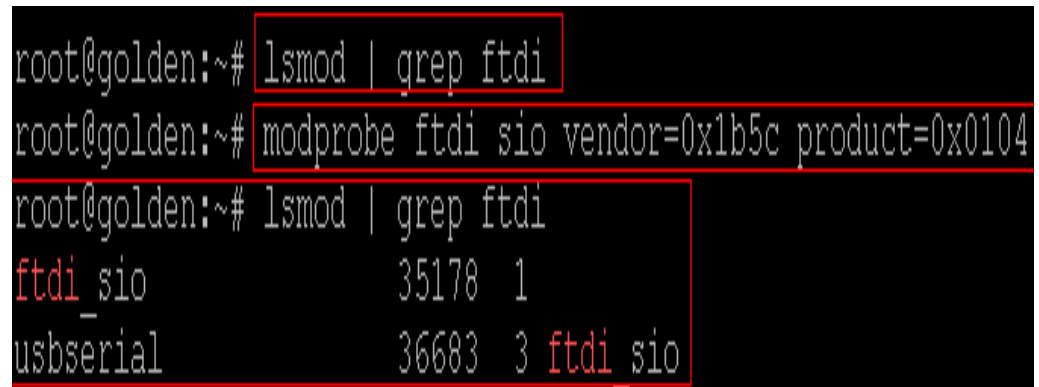
Please refer to Table 1-1 Figure 1-1 and Figure 1-2:

Product	Vendor ID(VID)	Product ID(PID)
I-7560U	0x1B5C	0x0103
I-7561U	0x1B5C	0x0104
I-7563U	0x1B5C	0x0105
I-7565 V2	0x1B5C	0x020F

Table 1-1

-
- If kernel version below 3.12.0

#modprobe ftdi_sio vendor=0x1b5c product=0x0104



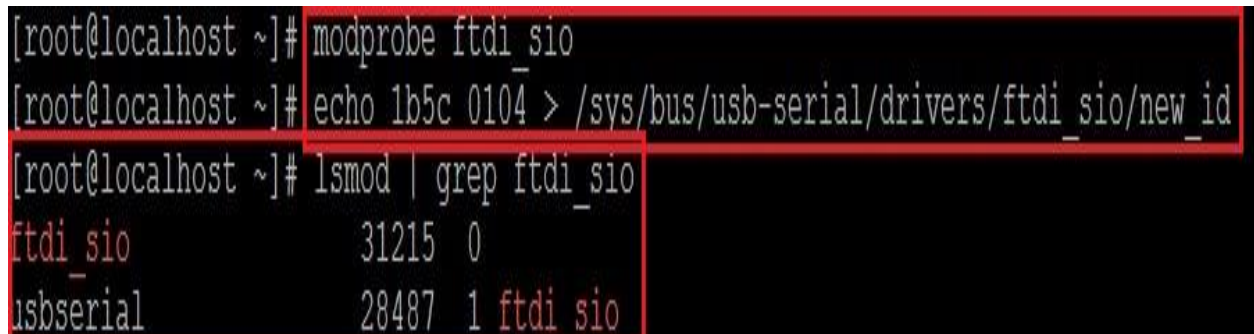
```
root@golden:~# lsmod | grep ftdi
root@golden:~# modprobe ftdi_sio vendor=0x1b5c product=0x0104
root@golden:~# lsmod | grep ftdi
ftdi_sio          35178  1
usbserial        36683  3 ftdi_sio
```

Figure 1-1

- If kernel version 3.12.0 and above

#modprobe ftdi_sio

**#echo 1b5c 0104 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
(VID) (PID)**

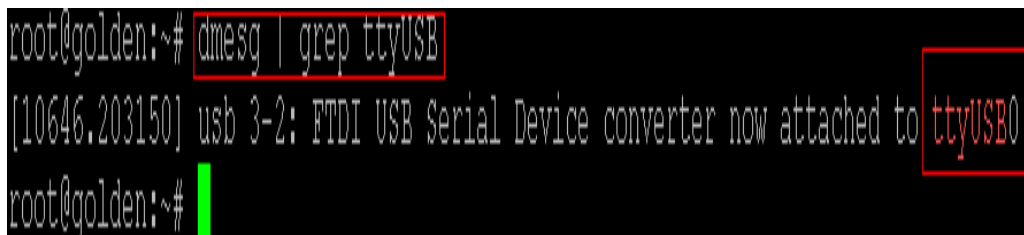


```
[root@localhost ~]# modprobe ftdi_sio
[root@localhost ~]# echo 1b5c 0104 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
[root@localhost ~]# lsmod | grep ftdi_sio
ftdi_sio          31215  0
usbserial        28487  1 ftdi_sio
```

Figure1-2

-
- Type command “**dmesg | grep ttyUSB**” to check
I-7560/7561/7563/7560U/7561U/7563U/7565 V2 device file name.
(please refer to Figure 1-3)

#dmesg | grep ttyUSB



```
root@golden:~# dmesg | grep ttyUSB
[10646.203150] usb 3-2: FTDI USB Serial Device converter now attached to ttyUSB0
root@golden:~#
```

Figure 1-3

1.2 Linux Driver Uninstalling Procedure

Linux PC or ICP DAS LinPAC

- Type below command to remove I-7560/7561/7563/7565
Linux driver

#modprobe -r pl2303

or

#rmmod pl2303

- Type below command to remove I-7560U/7561U/7563U/7565 V2
Linux driver

#modprobe -r ftdi_sio

or

#rmmod ftdi_sio