
tM-7561/7561A

Linux User Manual

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1. tM-7561/7561A Linux Driver Installation

The tM-7561/7561A 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

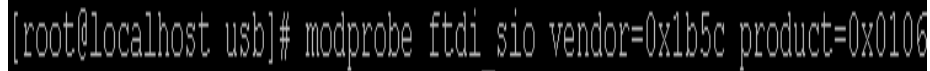
Linux PC or ICP DAS LinPAC

1.1.1 When Kernel version < 3.12.0

- Type below command to install linux driver

tM-7561 module(please refer to Figure 1-1):

```
#modprobe ftdi_sio vendor=0x1b5c product=0x0106
```

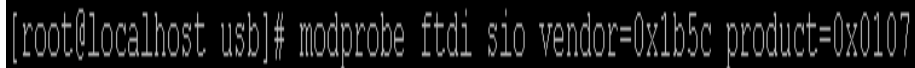


```
[root@localhost usb]# modprobe ftdi_sio vendor=0x1b5c product=0x0106
```

Figure 1-1

tM-7561A module(please refer to Figure 1-2):

```
#modprobe ftdi_sio vendor=0x1b5c product=0x0107
```



```
[root@localhost usb]# modprobe ftdi_sio vendor=0x1b5c product=0x0107
```

Figure 1-2

- Type command “**dmesg**” to check tM-7561/7561A device file(please refer to Figure 1-3)

```
#dmesg
```

```
ftdi_sio 3-2:1.0: FTDI USB Serial Device converter detected
usb 3-2: Detected FT232RL
usb 3-2: Number of endpoints 2
usb 3-2: Endpoint 1 MaxPacketSize 64
usb 3-2: Endpoint 2 MaxPacketSize 64
usb 3-2: Setting MaxPacketSize 64
usb 3-2: FTDI USB Serial Device converter now attached to ttyUSB0
usbcore: registered new interface driver ftdi_sio
ftdi_sio: v1.5.0:USB FTDI Serial Converters Driver
```

Figure 1-3

1.1.2 When Kernel version \geq 3.12.0

- Type below command to install linux driver

tM-7561 module(please refer to Figure 2-1):

```
#modprobe ftdi_sio
#echo 1b5c 0106 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
```

```
root@localhost:~# modprobe ftdi_sio
root@localhost:~# echo 1b5c 0106 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
```

Figure 2-1

tM-7561A module(please refer to Figure 2-2):

```
#modprobe ftdi_sio
#echo 1b5c 0107 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
```

```
root@localhost:~# modprobe ftdi_sio
root@localhost:~# echo 1b5c 0107 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
```

Figure 2-2

-
- Type command “**dmesg**” to check tM-7561/7561A device file(please refer to Figure 2-3)

#dmesg

```
[ 9040.390241] ftdi_sio 4-1:1.0: FTDI USB Serial Device converter detected
[ 9040.391800] usb 4-1: Detected FT232RL
[ 9040.391807] usb 4-1: Number of endpoints 2
[ 9040.391814] usb 4-1: Endpoint 1 MaxPacketSize 64
[ 9040.391819] usb 4-1: Endpoint 2 MaxPacketSize 64
[ 9040.391824] usb 4-1: Setting MaxPacketSize 64
[ 9040.401339] usb 4-1: FTDI USB Serial Device converter now attached to ttyUSB0
```

1.2 Linux Driver Uninstalling Procedure

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- Type below command to remove tM-7561/7561A Linux driver

#modprobe -r ftdi_sio

or

#rmmod ftdi_sio