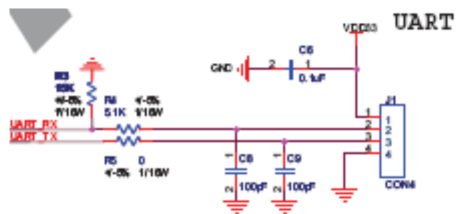
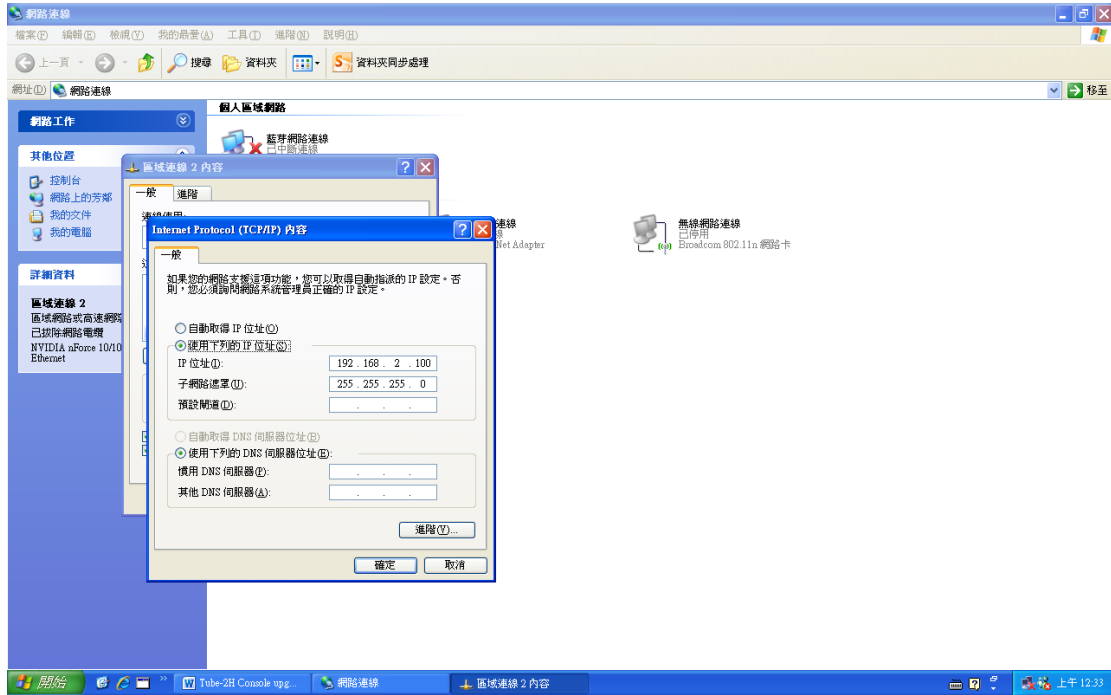


Tube-2H Console upgrade process

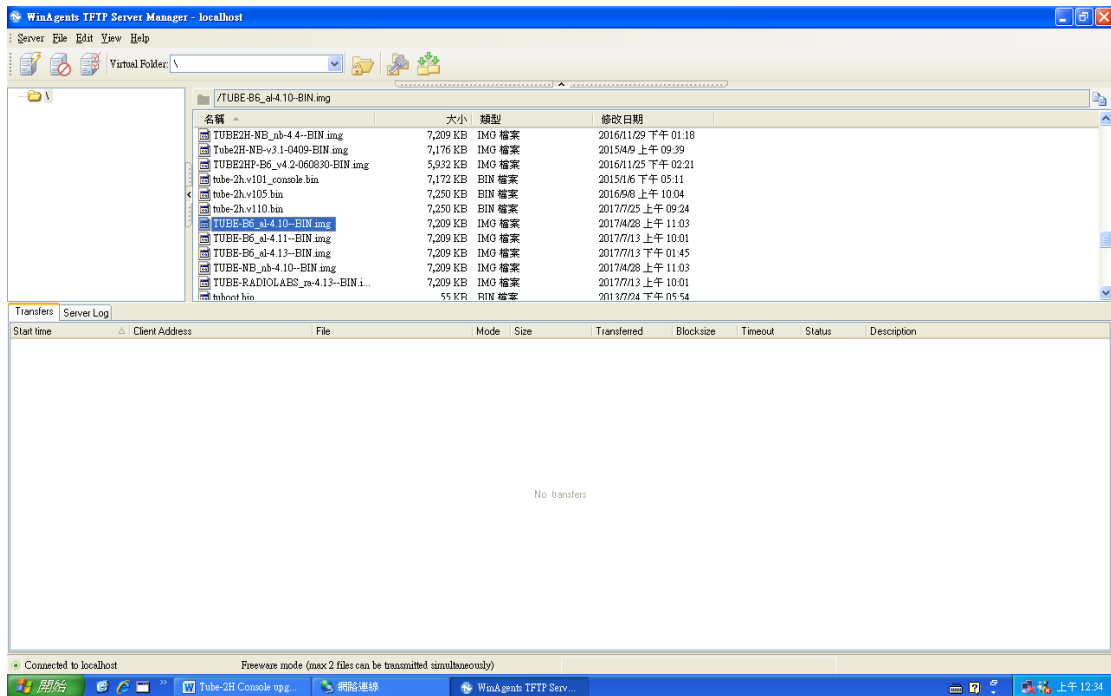
Use the console cable connect to URAT of the Tube-2H



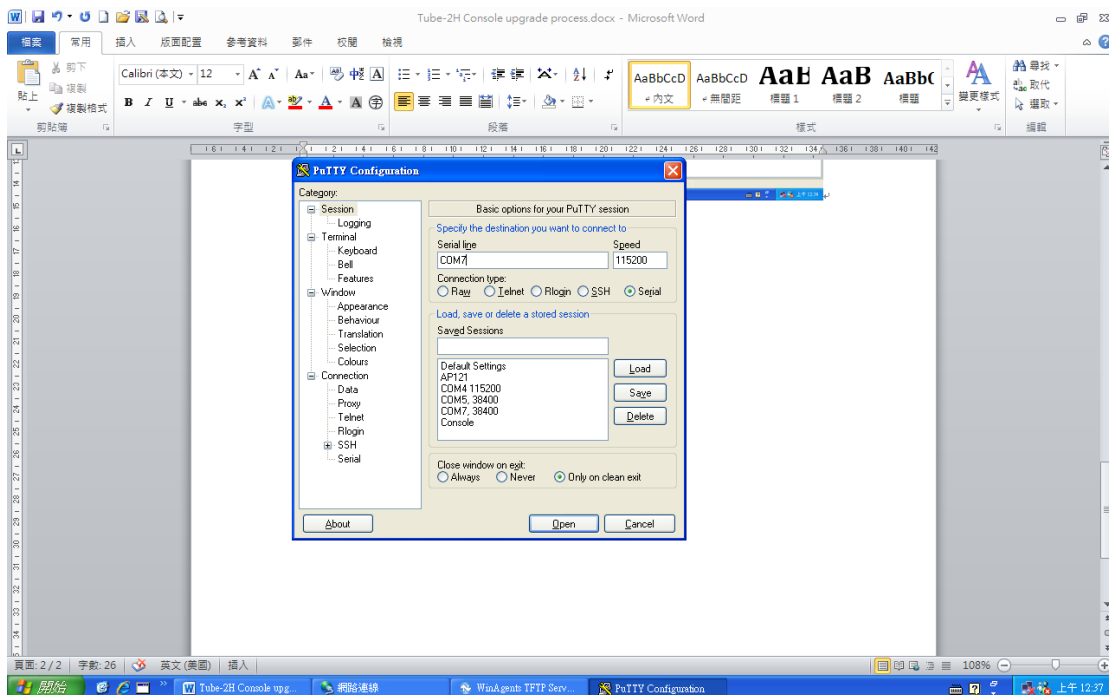
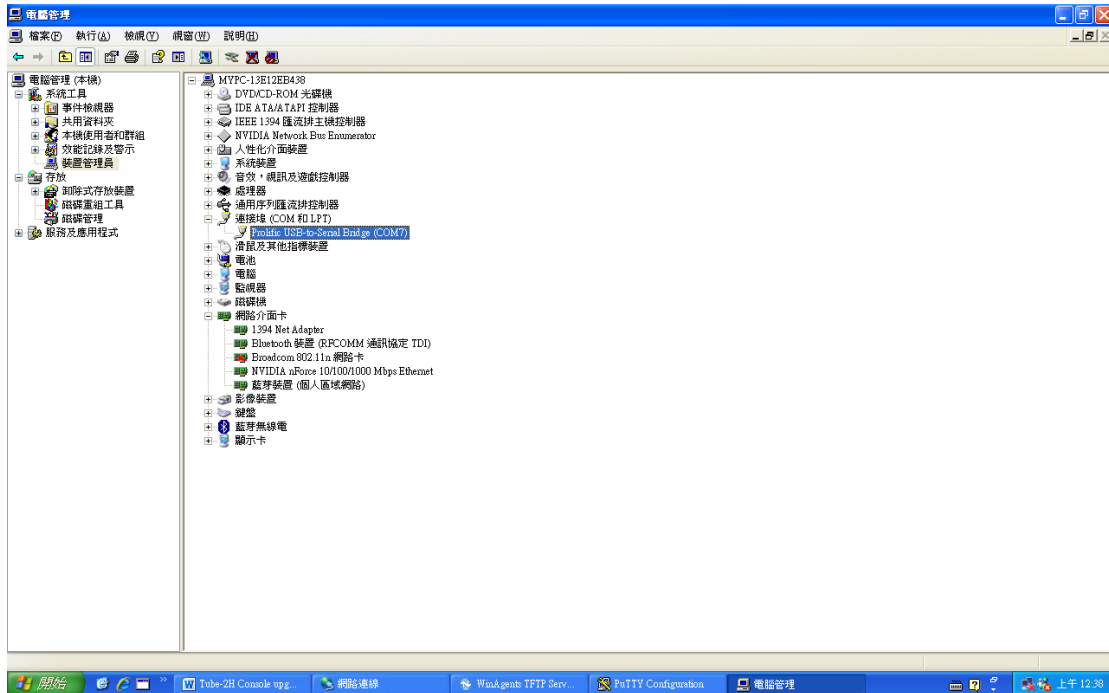
Set your PC to 192.168.2.100



Use the TFTP server and copy the TUBE-B6_al-4.10--BIN.img file to TFTP server as below



Use Putty.exe set to speed 115200 and COM port (our COM set to COM7)
Device manager can see the COM port is COM7



Then power on then choose “2”

```
COM7 - PuTTY
U-Boot 1.1.5-g0ad4dedd-dirty (May 18 2012 - 14:18:30)
AP121-SMB (ar9331) U-boot
DRAM: 32 MB
Top of RAM usable for U-Boot at: 82000000
Reserving 248k for U-Boot at: 81fc0000
Reserving 192k for malloc() at: 81f90000
Reserving 44 Bytes for Board Info at: 81f8ffd4
Reserving 36 Bytes for Global Data at: 81f8ffb0
Reserving 128k for boot params() at: 81f6ffb0
Stack Pointer at: 81f6ff98
Now running in RAM - U-Boot at: 81fc0000
id Read 0x100000ff
flash size 8388608, sector count = 128
Flash: 8 MB
In: serial
Out: serial
Err: serial
Net: ag7240_enet_initialize...
Fetching MAC Address from 0x81feb688
Fetching MAC Address from 0x81feb688
: cfg1 0x5 cfg2 0x7114
eth0: 00:c0:ca:93:71:85
eth0 up
: cfg1 0xf cfg2 0x7214
eth1: 00:c0:ca:93:71:84
athrs26_reg_init_lan
ATHRS26: resetting s26
ATHRS26: s26 reset done
eth1 up
eth0, eth1

Please choose the operation:
 1: Enter boot command line interface.
 2: Load system code then write to Flash via TFTP.
 3: Boot system code via Flash (default).

You choosed 2

System Load Linux Kernel then write to Flash via TFTP.
Warning!! Erase Linux in Flash then burn new one. Are you sure?(Y/N)
```

Enter “y”

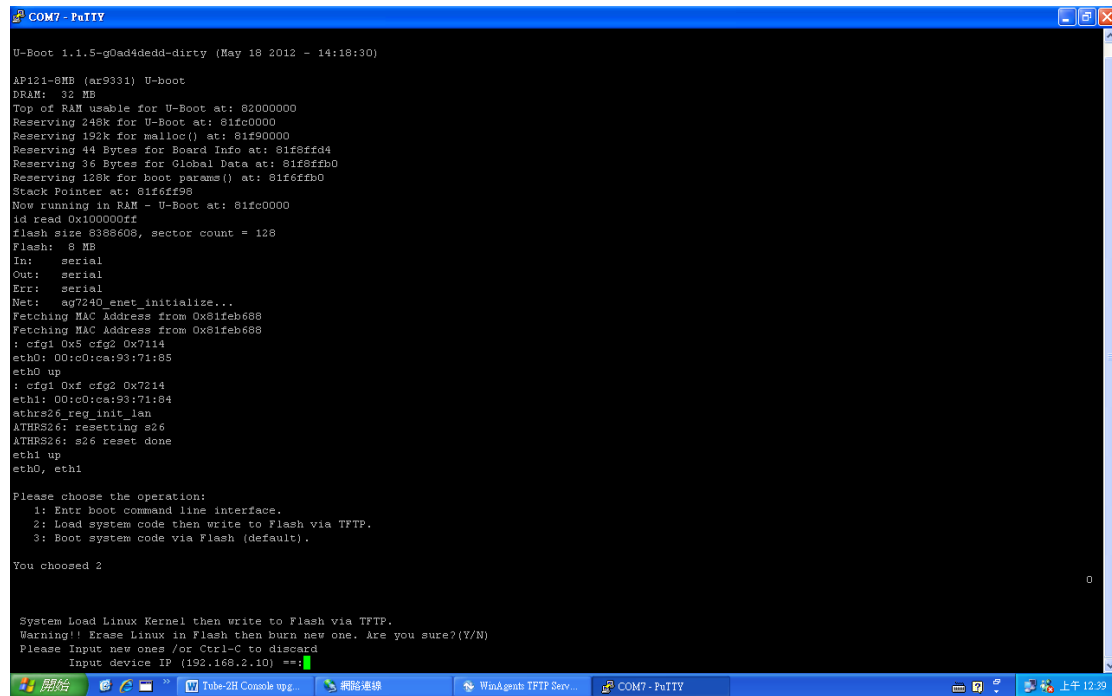
```
COM7 - PuTTY
U-Boot 1.1.5-g0ad4dedd-dirty (May 18 2012 - 14:18:30)
AP121-SMB (ar9331) U-boot
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eth0, eth1

Please choose the operation:
 1: Enter boot command line interface.
 2: Load system code then write to Flash via TFTP.
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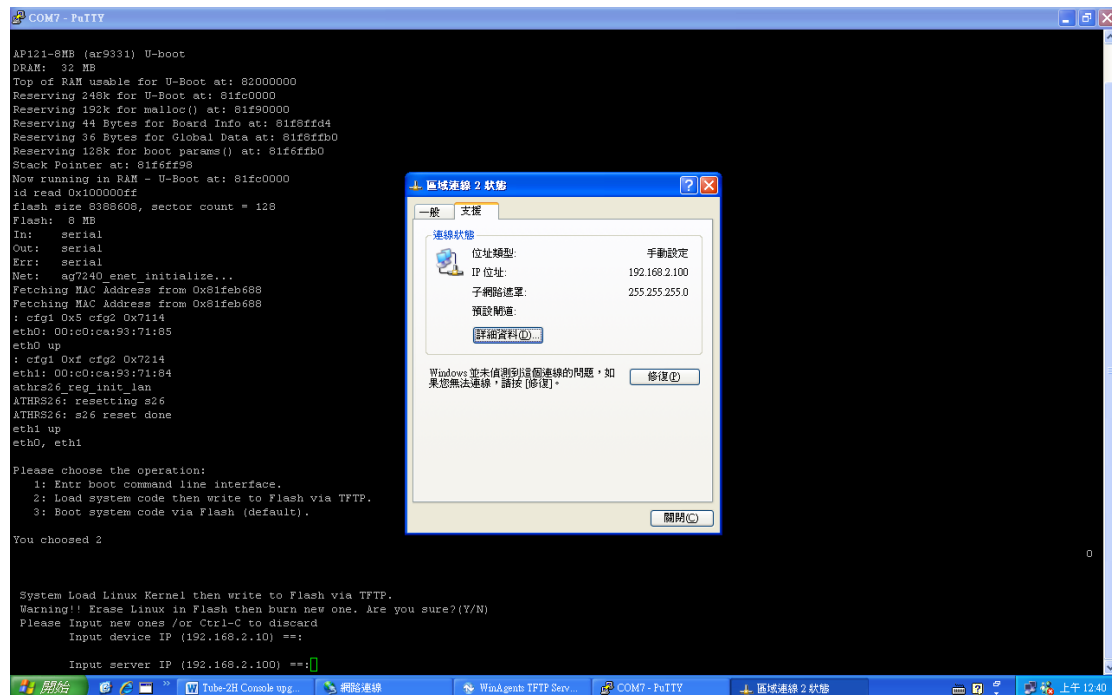
You choosed 2

System Load Linux Kernel then write to Flash via TFTP.
Warning!! Erase Linux in Flash then burn new one. Are you sure?(Y/N)
Please Input new ones /or Ctrl-C to discard
Input device IP (192.168.2.10) ==: y
```

Enter



Check your PC set to 192.168.2.100 then enter




```

COM7 - PuTTY
ACVONminfree = 0
CABMinfree = 48
UAPSDMinfree = 0
Bootstrap clock 25MHz
ar9300RadioAttach: Need analog access recipe!!
Restoring Cal data from Flash
Using Cal data from Flash 0xb7740000
ath_get_caps[5154] tx_chainmask mismatch actual 1 sc_chainmask 0
ath_get_caps[5159] tx_chainmask mismatch actual 1 sc_chainmask 0
SC Callback Registration for wifi:0
wifi0: Atheros 9380: mem=0xb8100000, irq=2
wlan_vap_create : enter. devhandle=0x80cb82c0, opmode=IEEE80211_M_HOSTAP, flags=0x1
wlan_vap_create : exit. devhandle=0x80cb82c0, opmode=IEEE80211_M_HOSTAP, flags=0x1.
Enter adf_net_vlan_attach()
Leave adf_net_vlan_attach()
Configuring RF
ieee80211_ioctl_siwmode: imr_ifm active=131712, new mode=3, valid=1
Invalid command ! setKeyScrAlways
Interface doesn't accept private ioctl...
setPhyRestartWar (8BE0): Operation not permitted
sh: bad number
ath1 no private ioctls.

ath1 no private ioctls.

sh: false: bad number
sh: false: bad number
device ath0 entered promiscuous mode
sh: false: bad number
ieee80211_ioctl_siwmode: imr_ifm active=131712, new mode=3, valid=1
DEVICE IS DOWN ifname=ath0
DEVICE IS DOWN ifname=ath0
br0: port 2(ath0) entering forwarding state
Setting Max Stations:127
sh: false: bad number
Dynamic Routing is Disable
OMGE not wisp or ethernet
vssi_led stop

SWCTRL 20130905 Started...

ALFA mips #49 Mon Apr 24 10:29:54 CST 2017 (none)
ALFA login: webs: Listening for HTTP requests at address 192.168.2.1

ALFA mips #49 Mon Apr 24 10:29:54 CST 2017 (none)
ALFA login:

```

Login the Tube-2H webpage

Wireless Router

192.168.2.1/index.asp

ALFA NETWORK

11n Wireless Router Tube2H

Status Easy Setup Advanced Language English

LAN Configuration

LAN IP Address 192.168.2.1 LAN Netmask 255.255.255.0

MAC Address 00:C0:CA:93:71:84

System Info

Firmware Version al-4.10 2017-04-27-17:43 System Time Sun, 01 Jan 2012 12:00:32

Operation Mode AP Bridge mode Wireless MAC Address 00:C0:CA:93:71:86

Station List

MAC Address	RATE	RSSI	RSSI(dB)
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