# Before programming ：

1. To install the  Command Line Tool “SecureCRT”，to run the SecureCRTPortable.exe：



1. Port option：[computer management] – [device manager] , you will see the port [COM & LPT]



# Start to program：

1. to power up the device, to enter “CTRL+C” on serial port page, enter u-boot.

2. to connect the LAN cable to the device, and connect to the LAN ( the device and the programming PC should be in the same local area network)

3. to use remote control composite key to close the watch-dog: 8+F3+F1+Auto //to repeat it 3-4 times，in order to close the watch-dog 4. to set up device network parameter: //normally to set up once

 setenv gatewayip 192.168.1.1 //gateway setup

 setenv ipaddr 192.168.1.199 // IP address setup, be aware not to conflict with in other IP in the LAN

 setenv netmask 255.255.255.0 //mask setup

 setenv serverip 192.168.1.186 // to config it as your TFTP server’s IP, normally it should be the IP of your PC.

5. sa //save the config

6. printenv //view the parameter

7. to open tftpd32.exe

 To set the home directory of tftp as：X:\tftp（normally it should be the directory where the Flash is）

8. to program with 32M，input the command on the serial port page:

mw.b 0x82000000 ff 0x2000000;tftp 0x82000000 JH4\_HYBRID\_flash\_T16112202.img;

sf probe 0;sf erase 0 0x2000000;sf write 0x82000000 0 0x2000000

input the command according to the prompt：

![C:\Users\Administrator\Documents\Tencent Files\974960992\Image\C2C\VNP[{`W[SQ]_C2@`Z{HW)WK.png]()

9. reset: after finishing the above steps, input “reset” command, then restart the device.