



How to upgrade 1200&1006 by serial cable

HIKVISION TECHNICAL SUPPORT TEAM

How to upgrade 1200&1006 by serial cable

Note:

Upgrade of panel version should be done under professional guidance from technical engineer

Tools needed:

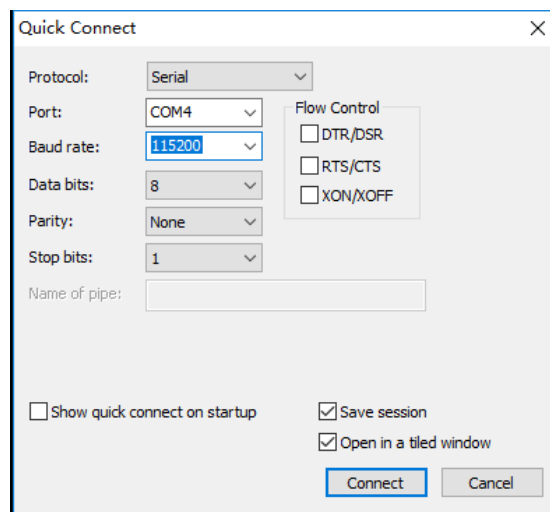
SecureCRT

1. Connect serial cable to keyboard with your computer.
2. Check serial COM number.



3. Open SecureCRT

- 1) Open SecureCRT, click **quick connect**, Select **serial**, input **COM number** of keyboard



- 2) Reboot keyboard. And after you start rebooting, press **any key** to enter Uboot mode. As



the follow picture.

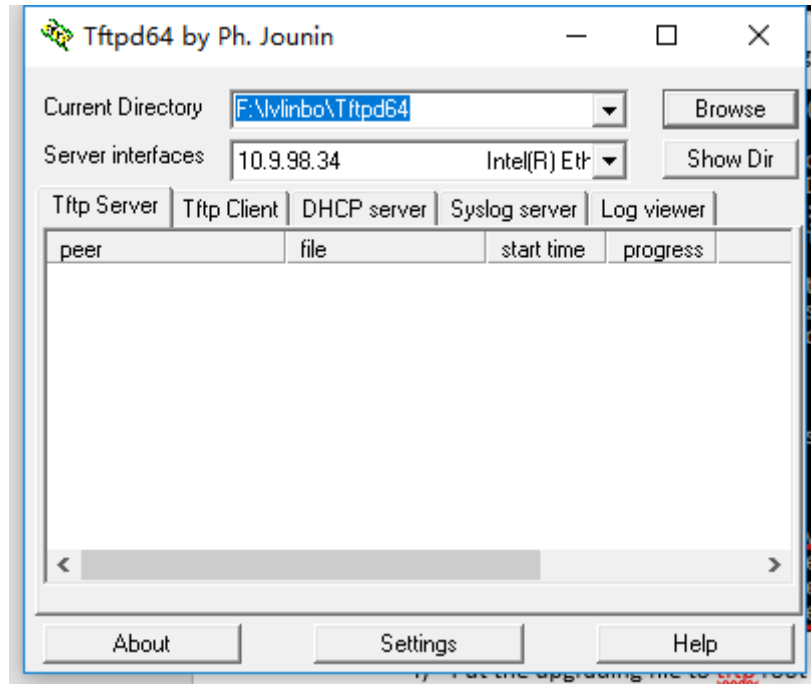
```
U-Boot 2010.06 (Aug 01 2016 - 18:05:25)
Check Flash Memory Controller v100 ... Found
SPI Nor(cs 0) ID: 0xef 0x40 0x18
Block:64KB Chip:16MB Name:"w25q128(B/F)V"
SPI Nor total size: 16MB
MMC:
EMMC/MMC/SD controller initialization.
Card did not respond to voltage select!
No EMMC/MMC/SD device found !
In: serial
Out: serial
Err: serial
Hit any key to stop autoboot: 0
hisilicon #
hisilicon #
```

- 3) Input `setenv` command to set IP, gateway and server IP. If you want to upgrade 1006, you need to insert U flash and put upgrading file in U flash root list then you can skip this and execute fifth step.

```
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EMMC/MMC/SD controller initialization.
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In: serial
Out: serial
Err: serial
Hit any key to stop autoboot: 0
hisilicon #
hisilicon #
hisilicon # s
setenv saveenv sf
hisilicon # setenv ipaddr 10.9.98.1
hisilicon # setenv gatewayip 10.9.98.254
hisilicon # setenv serverip 10.9.98.34
```

- 4) Put the upgrading file to `tftp` root list. Tftp setting.





lvinbo > Tftpd64

名称	修改日期	类型	大小
digicap.dav	2018/9/4 10:05	DAV 文件	7,770 KB
EUPL-EN.pdf	2009/3/24 22:34	Foxit Reader PD...	34 KB
p.pcap	2018/12/6 20:32	Wireshark captu...	1,314 KB
tcpdump	2018/11/30 16:41	文件	2,325 KB
tftpd32.chm	2018/5/6 4:50	编译的 HTML 帮...	330 KB
tftpd32.ini	2013/11/28 16:08	配置设置	1 KB
tftpd64.exe	2018/5/6 4:48	应用程序	310 KB
uninstall.exe	2018/7/4 18:59	应用程序	38 KB
video.mp4	2018/8/30 21:55	MP4 文件	0 KB
x.pcap	2018/7/31 17:40	Wireshark captu...	173 KB

- 5) Input **update** command to upgrade device. When the interface appear follow content, it has been upgraded automatically.



```
hisilicon #
hisilicon # update
maxsize=0xe00000
spi_flash->size=0x1000000
spi_flash->erase_size=0x10000
jffs2 part info : offset=0x200000, size=0xe00000
Hisilicon ETH net controller
Download digicap.dav by TFTP!
Hisilicon ETH net controller
MAC: 00-00-23-34-45-66
eth0 : phy status change : LINK=DOWN : DUPLEX=FULL : SPEED=100M
eth0 : phy status change : LINK=UP : DUPLEX=FULL : SPEED=100M
TFTP from server 10.9.98.34; our IP address is 10.9.98.1
Download Filename 'digicap.dav'.
Download to address: 0x82000000
Downloading: #####
done
Bytes transferred = 7956217 (7966f9 hex)
uheader:0x807a23d8
jffs2: add update file(uImage_hi3518ev200)...
```

6) After you see the done, it has finished.

```
jffs2: add update file(cn_neu.tar
(485247B->493940B)done.
jffs2: add update file(en_neu.tar
(485222B->493852B)done.
jffs2: add update file(cn_std.tar
(488390B->497152B)done.
jffs2: add update file(en_std.tar
(488338B->497032B)done.
jffs2: add update file()...
(0B->40B)done.
jffs2: add update file()...
(0B->40B)done.
buf_addr:0x83000000
Earse SPI flash...
Write jffs2 to SPI flash...
done
```

7) Then input **reset** to make device reboot. Finish upgrading.

```
hisilicon # reset
resetting ...

System startup

U-Boot 2010.06 (Aug 01 2016 - 18:05:25)

Check Flash Memory Controller v100 ... Found
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Block:64KB Chip:16MB Name:"w25q128(B/F)V"
SPI Nor total size: 16MB
MMC:
EMMC/MMC/SD controller initialization.
Card did not respond to voltage select!
No EMMC/MMC/SD device found !
In: serial
Out: serial
Err: serial
Hit any key to stop autoboot: 0
*size = 0x01000000
### JFFS2 loading 'uImage_hi3518ev200' to 0x82000000
Scanning JFFS2 FS: . done.
### JFFS2 load complete: 2034984 bytes loaded to 0x82000000
## Booting kernel from Legacy Image at 82000000 ...
Image Name: Linux-3.4.35
Image Type: ARM Linux Kernel Image (uncompressed)
Data Size: 2034920 Bytes = 1.9 MiB
Load Address: 80008000
Entry Point: 80008000
Loading Kernel Image ... █
```





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