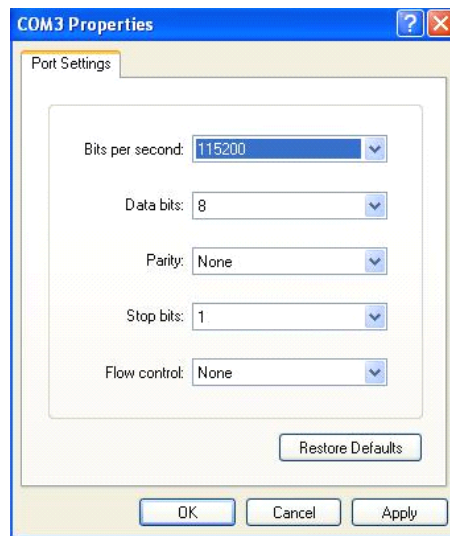
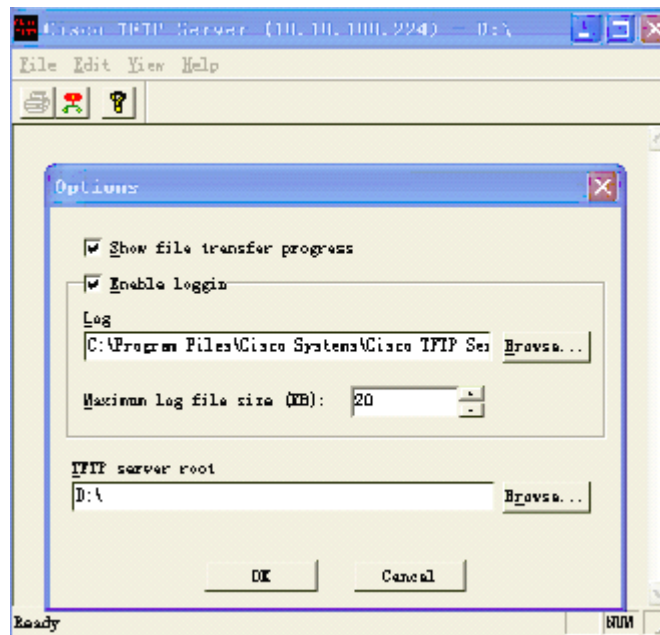


The Uboot Repairment Procedure of DCH3100P

1. Run the tftpsrv.exe and install it on your PC.
2. Connect the IP port of the unit to PC with a cross over type 5 (RJ45) LAN wire.
3. RS232 cable connect PC with the unit, the hyper terminal settings follow the below picture.



4. Open the software 'Cisco TFTP Server' which you have installed on your computer. Select 'view-> options' in the menu. Please make sure that the 'TFTP server root' is the right folder which includes the files 'vmlinux.ub' and 'rootfs.jff6', as shown below.



5. Power off the unit, press 'Enter' key of the PC keyboard when you switch on the unit. if the hyper terminal window displays 'PDK7105>'.

6. Enter “set serverip xxx.xxx.xxx.xxx” within the hyper-terminal , this step is setting the PC server ip address. Please make sure that this ip address is the real ip address of your PC.

7. Enter “set ipaddr xxx.xxx.xxx.xxx” within the hyper-terminal , this step is setting the unit ip address. Please make sure the PC and the unit at the same ip segment.

```
Board: STx7105-PDK [32-bit model]

U-Boot 1.3.1 (Jun  2 2011 - 18:42:20) - stm23_0051

DRAM: 256 MiB
NOR: 64 MiB
NAND: No NAND device found!!!
      0 KiB
SPI: ERROR: Unknown SPI Device detected, status = 0xff
In: serial
Out: serial
Err: serial
Hit any key to stop autoboot: 0
PDK7105>
PDK7105>
PDK7105>
PDK7105> set serverip 10.10.100.181
PDK7105> set ipaddr 10.10.100.183
```

8. Upgrade vmlinux.ub

Enter “tftp \$load_addr vmlinux.ub” within the hyper-terminal

```
PDK7105>
PDK7105>
PDK7105>
PDK7105> tftp $load_addr vmlinux.ub
Using MAC Address FF:FF:FF:FF:FF:FF
STM-GMAC: RTL8201CL found
STM-GMAC: 100Mbps full duplex link detected
TFTP from server 10.10.100.181; our IP address is 10.10.100.183
Filename 'vmlinux.ub'.
Load address: 0x80000000
Loading: #####
#####
#####
#####
#####
#####
done
Bytes transferred = 2224941 (21f32d hex)
PDK7105>
```

Enter “erase 1:3-19” within the hyper-terminal.

Enter “cp.b 80000000 a0060000 \$filesize” within the hyper-terminal.

Waiting the end.

9. Upgrade rootfs.jffs6

Enter “tftp \$load_addr rootfs.jffs6” within the hyper-terminal

Enter “erase 1:20-127 a0280000” within the hyper-terminal

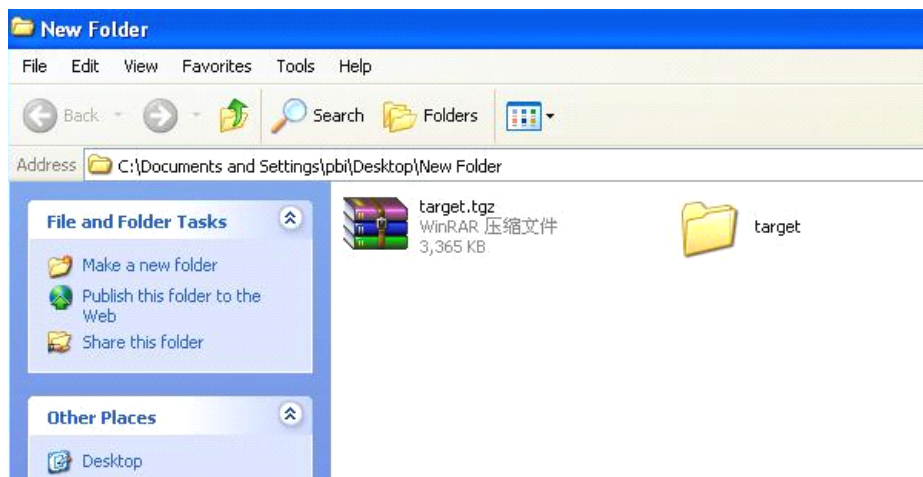
Enter “cp.b 80000000 a0280000 \$filesize” within the hyper-terminal

10. Reboot the unit. Now you can access the ftp of the unit and then following the normal procedure to upgrade the latest software.

1) Enter “ifconfig eth0 xxx.xxx.xxx.xxx netmask 255.255.255.0” within the terminal, this step is setting the unit ip address. Please make sure the PC and the unit at the same ip segment.

```
Bad file descriptor: Bad file descriptor
/ # ifconfig eth0 10.10.70.48 netmask 255.255.255.0
/ # _
```

2) put your target.tgz file to your ftp server <ftp://xxx.xxx.xxx.xxx>



Execute the following command

```
cd /var/ftp/pub
tar zxvf target.tgz
cp /var/ftp/pub/target/upgrade /bin/upgrade
chmod 777 /bin/upgrade
/bin/upgrade
```

Please wait for the device restart automatically.