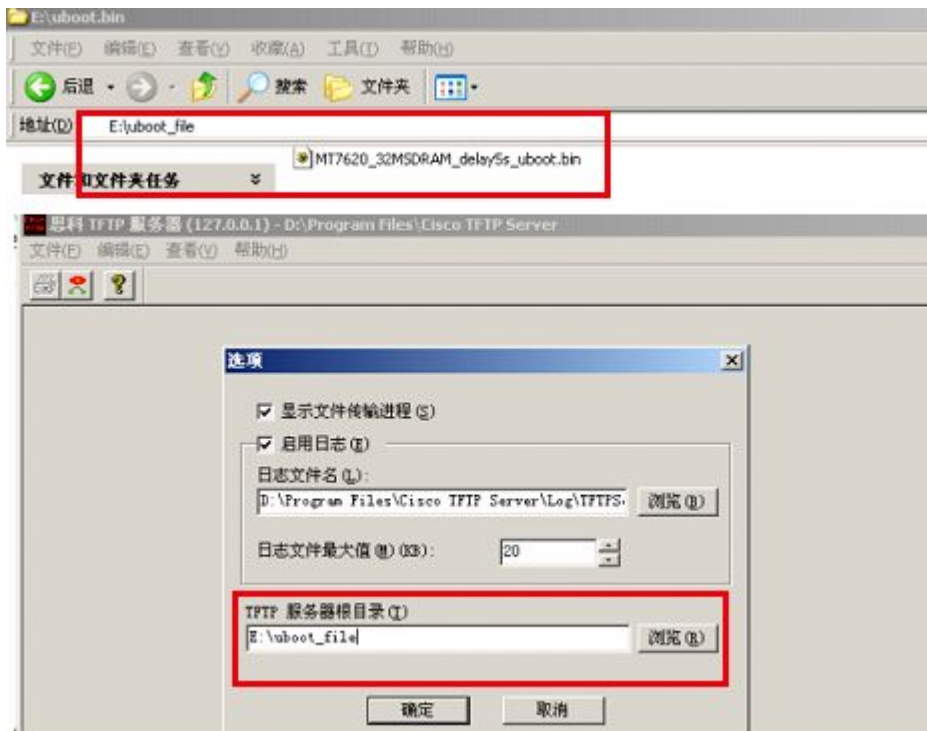


How to open the function of upgrading via serial port for VM300

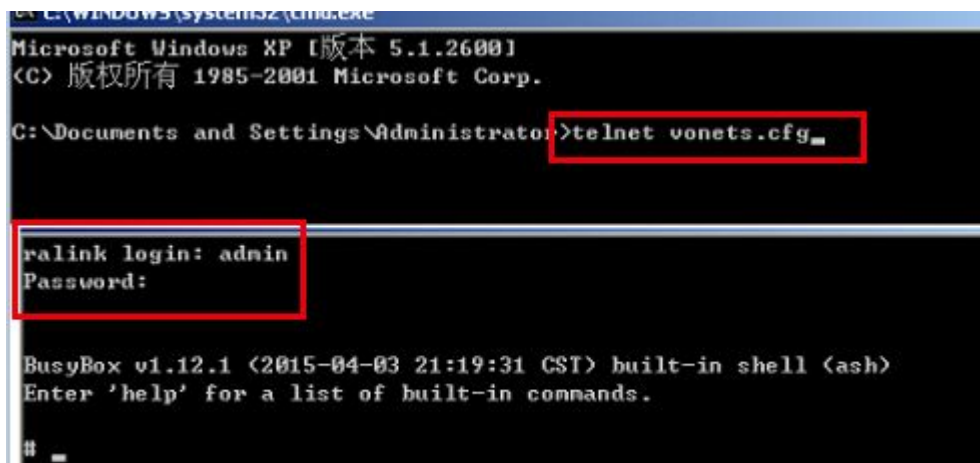
1.Firmware upgrade VM300. (First of all,I need your MAC address,for example 00:17:13:10:00:04)



2.PC open the TFTP service, choosing the right TFTP file path.



3.telnet VM300, user:admin, password:admin.



4.remote upgrade BootLoader.

```
C:\WINDOWS\system32\cmd.exe
Connection-specific DNS Suffix . :
Description . . . . . : Atheros AR9285 Wireless Network Adapter
Physical Address. . . . . : 00-08-C9-6E-00-26
Dhcp Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IP Address. . . . . : 192.168.254.100 tftp server ip address
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.254.254
DHCP Server . . . . . : 192.168.254.254
DNS Servers . . . . . : 192.168.254.254
Lease Obtained. . . . . : 2015年5月8日 11:47:28
Lease Expires . . . . . : 2015年5月8日 11:47:58
```

```
Password:

BusyBox v1.12.1 (2015-05-06 09:33:12 CST) built-in shell (ash)
Enter 'help' for a list of built-in commands.

# tftp -g -l MT7620_32MSDRAM_delay5s_uboot.bin 192.168.254.100
#
# ls -l MT7620_32MSDRAM_delay5s_uboot.bin
-rw-r--r-- 1 0 0 85448 MT7620_32MSDRAM_delay5s_uboot.bin
#
# cat /proc/mtd
dev: size erasesize name
mtd0: 00400000 00010000 "ALL"
mtd1: 00030000 00010000 "Bootloader"
mtd2: 00010000 00010000 "Config"
mtd3: 00010000 00010000 "Factory"
mtd4: 003b0000 00010000 "Kernel"
#
# mtd_write write MT7620_32MSDRAM_delay5s_uboot.bin Bootloader
Unlocking Bootloader ...
Writing from MT7620_32MSDRAM_delay5s_uboot.bin to Bootloader ... [w]
Success reading uImagefile!

# reboot
```

5.Bootloader upgrader success, restart began using a serial port upgrade debugging.

```
Please choose the operation:
 1: Load system code to SDRAM via TFTP.
 2: Load system code then write to Flash via TFTP.
 3: Boot system code via Flash (default).
 4: Entr boot command line interface.
 7: Load Boot Loader code then write to Flash via Serial.
 9: Load Boot Loader code then write to Flash via TFTP.

You choosed 2

raspi_read: from:40028 len:6

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 (10.10.10.123) ==:192.168.1.254
Input server IP (10.10.10.3) ==:192.168.1.100
Input Linux Kernel filename () ==:root_uImage
```

6.OK!