

## How to upgrade ECS4510 and ECS4620 loader version to extend the ECC (Error Correcting Code) support ?

### The version supports ECC(Error correcting code):

ECS4510 Loader version 0.6.0.1 and above

ECS4620 Loader version 0.3.2.1 and above

### Environment and Preparation:

- a. The ECS4620 or ECS4510 switch
- b. Windows PC(Win7, Win8 or Win10) with one Serial COM port and one RJ45 port
- c. Download and Unzip Script file (download it on Edge-Core Web Site)  
Script for ECS4510 series: [ECS4510-28T uboot upgrade v1.0.0.zip](#)  
Script for ECS4620 series: [ECS4620-28T uboot upgrade v1.0.0.zip](#)

### Configuration: Modify config.ini

- [serial] section: Serial COM port
- [tftp]section: tftp client and server's IP address  
tftp client is switch ECS4620 or ECS4510.  
tftp server is the PC that connect to the ECS4620 or ECS4510 ,and run the script.

Example:

The PC with **Serial COM3** connects to the switch ECS4510-28T console port.

And PC with IP address **192.168.2.150** connect to the switch ECS4510-28T port 1.

Make sure the switch and PC are **the same IP subnet**.

~~~~~  
*File: config.ini*

[product]

type = ECS4510-28T

[serial]

port = **COM3**

[tftp]

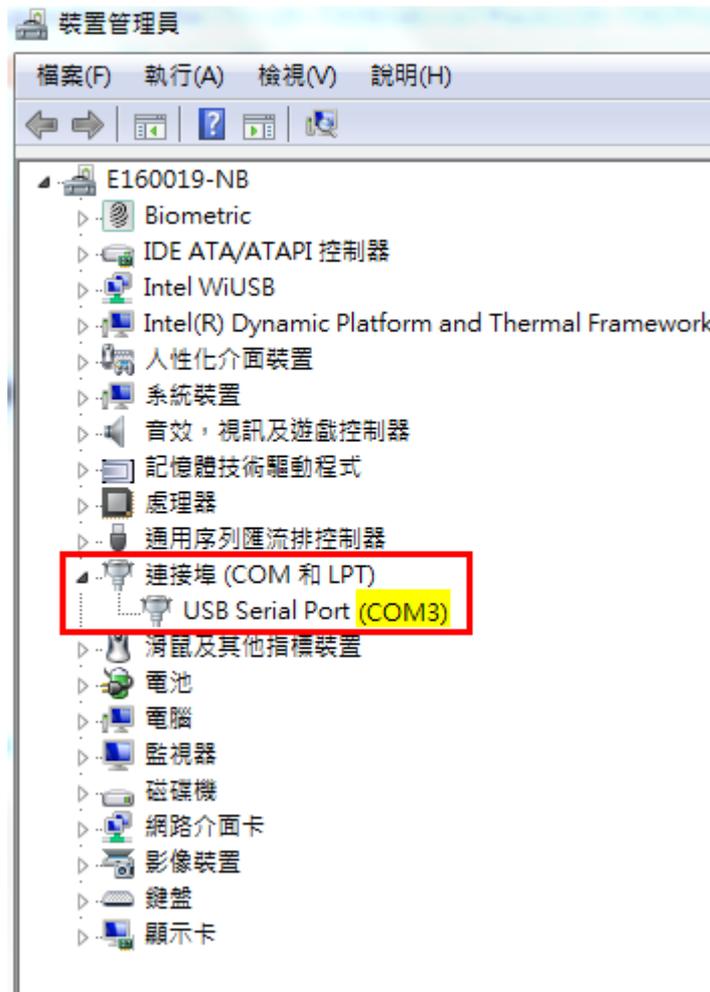
client = **192.168.2.20**

server = **192.168.2.150**

~~~~~

## How to check Serial COM port on the PC?

In Device Manager (Start -> Run -> devmgmt.msc)



### Caution:

- a. Before running the script, please turn OFF all the terminal on the PC and power OFF the Switch.
- b. Please make the firewall to allow the TFTP service in order to upgrade successfully

## Upgrade loader:

### Step 1: Run the script "uboot\_upgrade.exe".

- In CMD(Start -> Execute -> cmd.exe) , enter into the program's folder
- Run **uboot\_upgrade.exe** and `.\tftpd32.452\tftpd32.exe` will execute automatically

ex:

```
C:\ECS4510_uboot_upgrade_v0.0.1>uboot_upgrade.exe
```

- Turn on the power for switch

### Step 2: Power **ON** the switch

After upgrade, **uboot\_upgrade.exe** will close by itself.

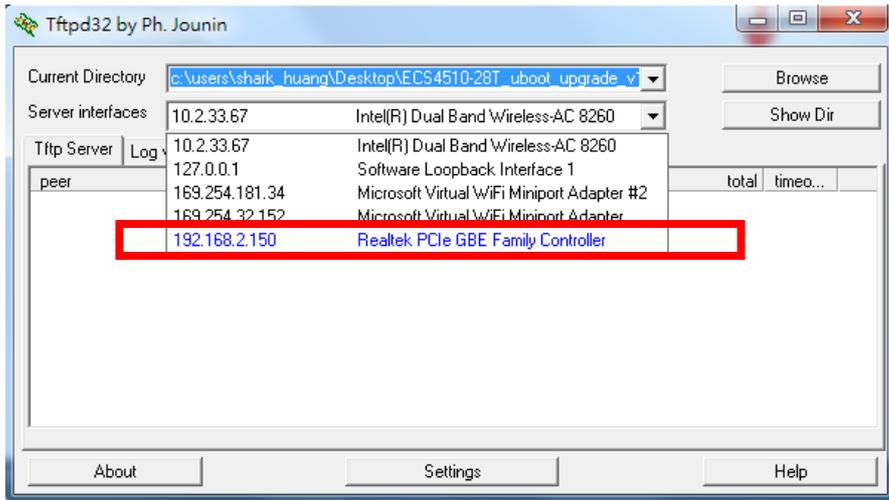
```
c:\users\shark_huang\Desktop\ECS4510-28T_uboot_upgrade_v1.0.0\uboot_upgrade.exe
=====
Product       : ECS4510-28T
Serial port   : COM3
Serial baudrate : 115200
TFTP client   : 192.168.2.20
TFTP server   : 192.168.2.150
Middle uboot  : ECS4510-28T_ld_U0.6.2.2.bix
Mini uboot    : ECS4510-28T_mini_U0.0.0.3.bix
Uboot        : ECS4510-28T_ld_U0.6.0.1.bix
Log file      : 20161214_1530_upgrade.log
=====

Starting bootloader ...

Loader 0.0.1.3

DRAM Test      : PASS

Password : ****
Password : ****
Password : ****
Password : ****
Password : ***
Found PEX remapping win #0
```



If it **fails** to upgrade, please send your request and log file to [support@edge-core.com](mailto:support@edge-core.com)

名稱	修改日期	類型
product_ini	12/14/2016 11:1...	檔案資料夾
tftpd32.452	12/14/2016 11:1...	檔案資料夾
_ctypes.pyd	12/14/2016 11:1...	PYD 檔案
_hashlib.pyd	12/14/2016 11:1...	PYD 檔案
_socket.pyd	12/14/2016 11:1...	PYD 檔案
_ssl.pyd	12/14/2016 11:1...	PYD 檔案
20161214_1603_upgrade.log	12/14/2016 04:0...	文字文件
bz2.pyd	12/14/2016 11:1...	PYD 檔案
config.ini	12/14/2016 04:0...	組態設定
pexpect.async.py	12/14/2016 11:1...	PY 檔案
python27.dll	12/14/2016 11:1...	應用程式擴充
readme.txt	12/14/2016 11:1...	文字文件
uboot_upgrade.exe	12/14/2016 11:1...	應用程式