

**FRM220A-2000EAS CTC Union L2 Switch Card
Upgrade Procedure**

I. Upgrading via Web (Simple)

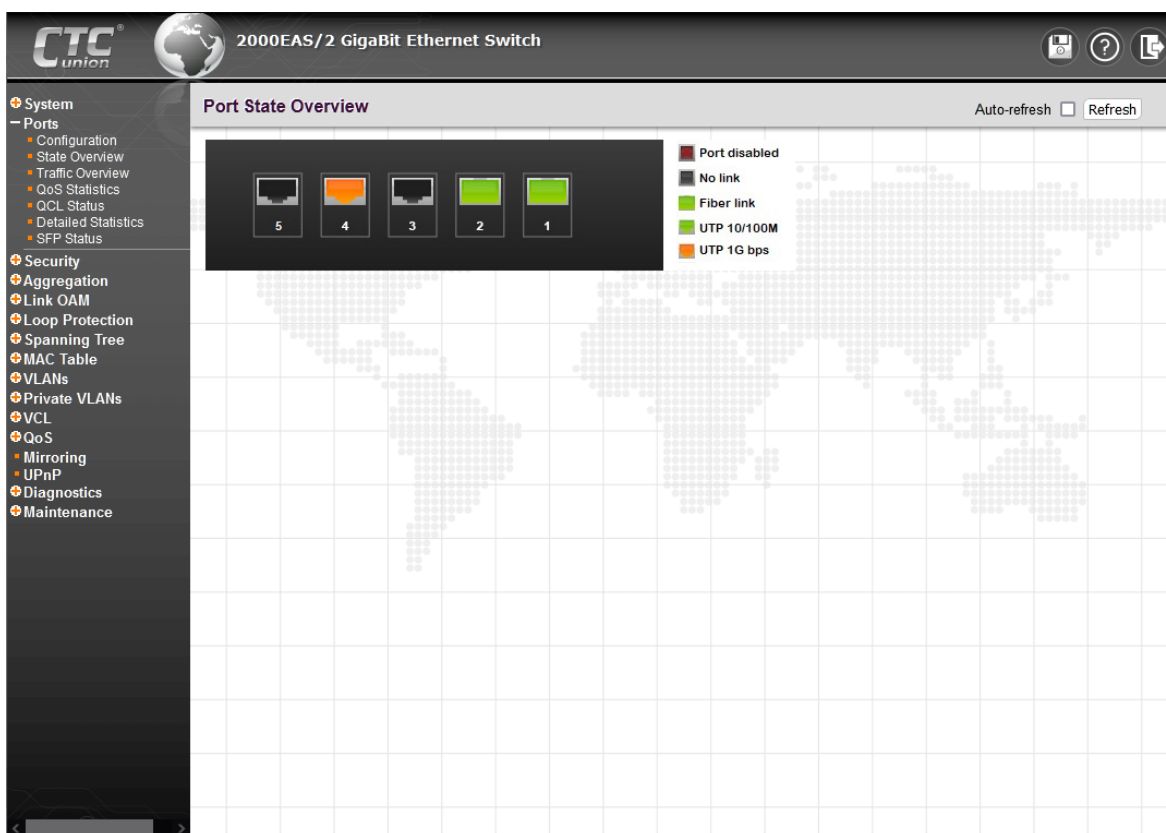
The easiest and quickest way to upgrade is via the web interface. The image file is transferred via simple HTTP POST directly from the PC doing the browsing. No TFTP server is required.

Prerequisites:

1. Network access to the 2000EAS switch from a PC or laptop
2. Credentials to log into the switch as administrator
3. PC or laptop with any major browser (I.E., Chrome or Firefox)
4. Firmware upgrade binary file.

Procedure:

Step 1. Log into the switch from a web browser. (factory default IP address is 10.1.1.1/24, factory default is user 'admin' with no password)



Step 2.

Check the current version of the switch.

The screenshot displays the web interface of a CTC Union 2000EAS/2 GigaBit Ethernet Switch. The left sidebar contains a navigation menu with categories: System, Ports, Security, Aggregation, Link OAM, Loop Protection, Spanning Tree, MAC Table, VLANs, Private VLANs, VCL, QoS, Mirroring, UPnP, Diagnostics, Maintenance, Software, and Configuration. The 'System' category is expanded, and 'Information' is selected. The main content area, titled 'System Information', shows a table of system details. The 'Software Version' is highlighted with a red box and is 1.003. The 'Software Date' is 2021-06-24 11:20:51+08:00. The 'System Date' is 2021-07-13T09:28:04+08:00 and the 'System Uptime' is 11d 18:54:40. The 'MAC Address' is 00-02-ab-13-d0-86 and the 'Serial Number' is FRM220A-2000EAS-2. The 'Contact' is techsupport@ctcu.com and the 'Location' is Demo. The 'System' name is FRM220A-2000EAS-2. The 'Hardware' section shows the MAC Address and Serial Number. The 'Time' section shows the System Date and System Uptime. The 'Software' section shows the Software Version and Software Date. The background of the main content area features a world map.

System	
Contact	techsupport@ctcu.com
Name	FRM220A-2000EAS-2
Location	Demo

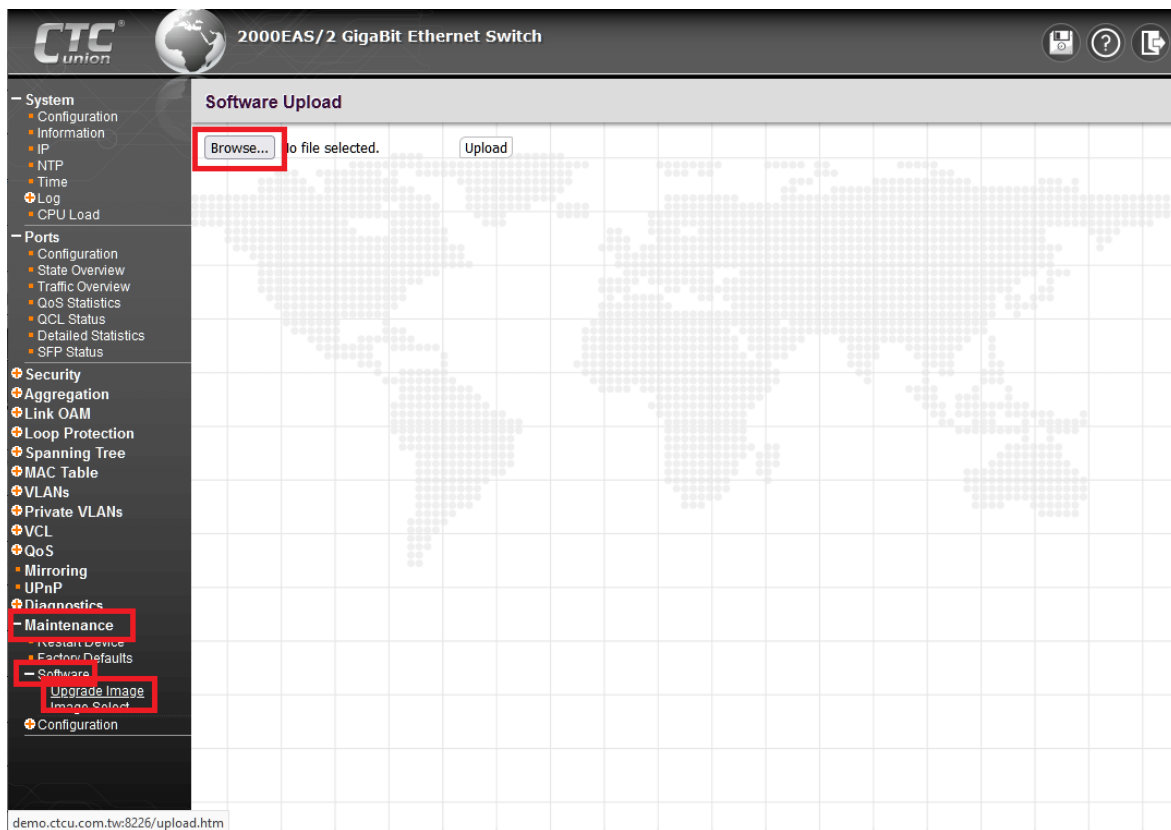
Hardware	
MAC Address	00-02-ab-13-d0-86
Serial Number	FRM220A-2000EAS-2

Time	
System Date	2021-07-13T09:28:04+08:00
System Uptime	11d 18:54:40

Software	
Software Version	1.003
Software Date	2021-06-24 11:20:51+08:00

Under 'System' > 'Information' check the 'Software Version' which is 1.003 in this example.

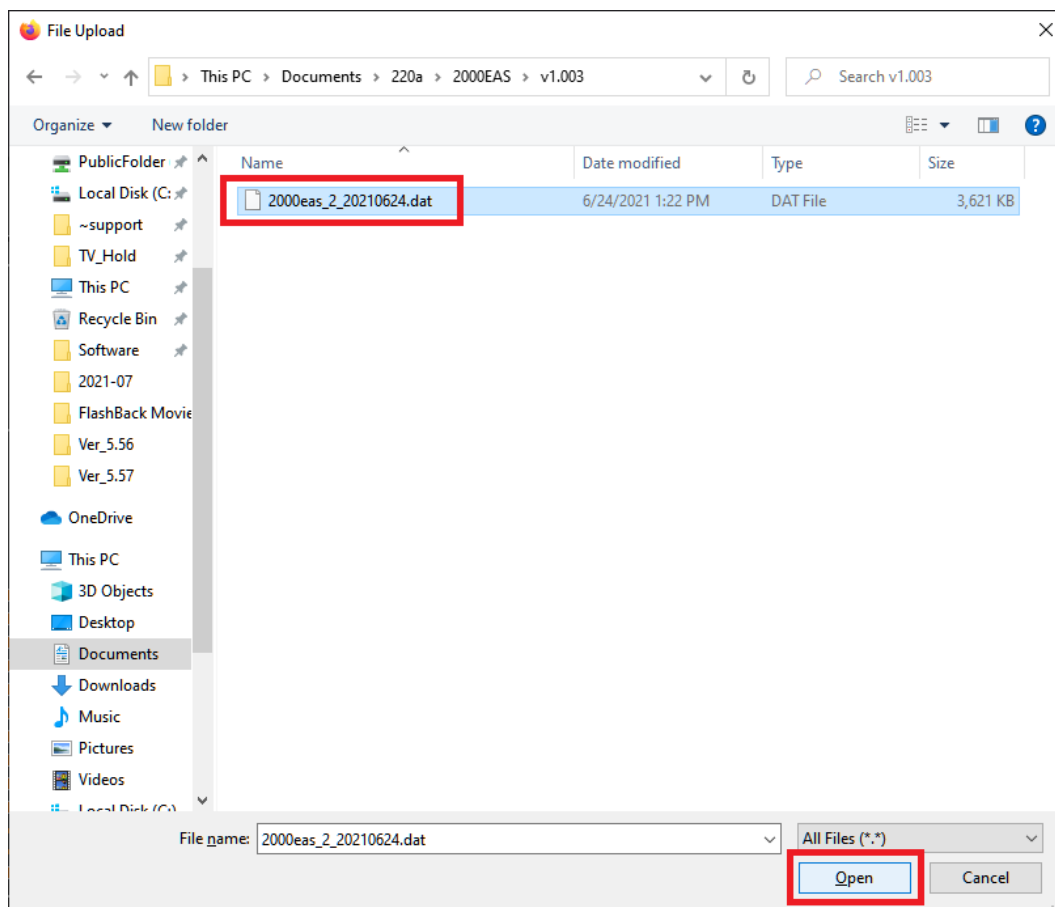
Step 3. Get to the Software Upload menu



Under 'Maintenance' > 'Software' > 'Upgrade Image', the software upload window will be displayed. Click the [Browse] button.

Step 4.

After clicking the "Browse" button, the file explorer will open.

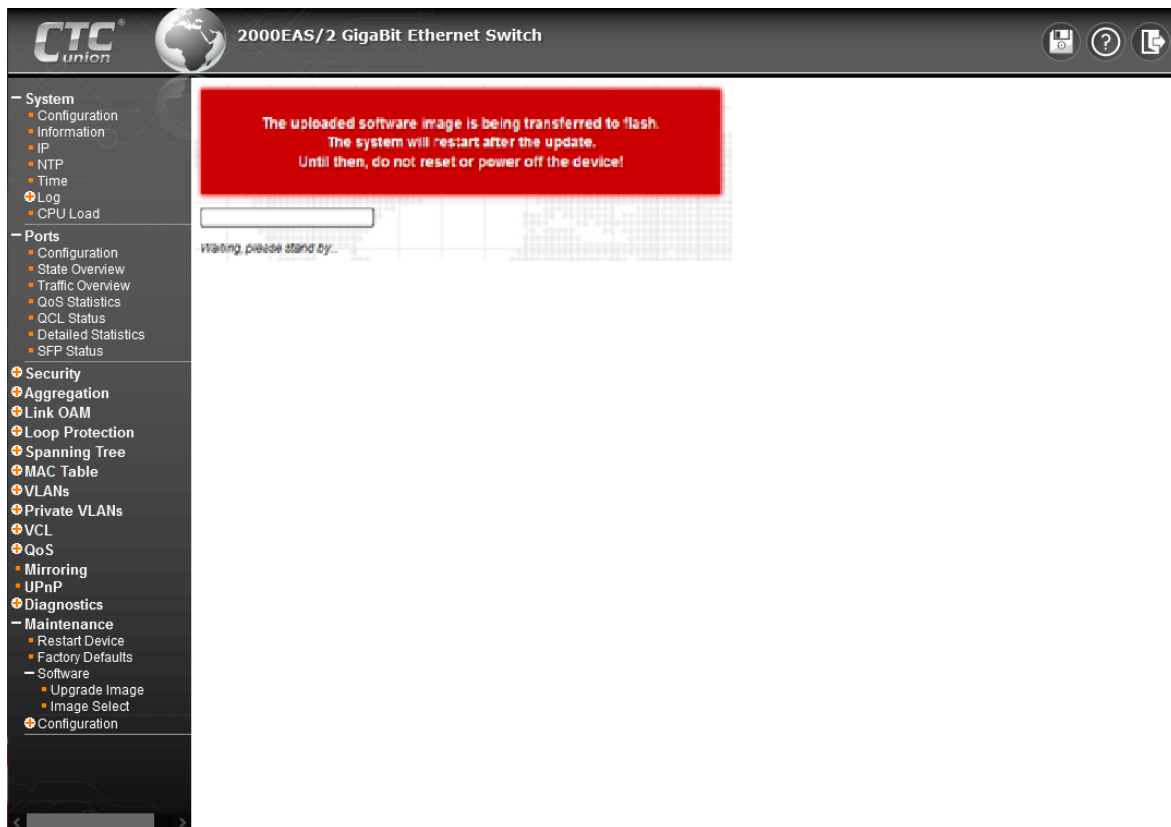


Using file explorer, find the image file for the new firmware from the local disk. Click "Open".

Step 5.
Click the "Upload" button



Step 6. Wait for the image to be transferred and then written to flash.



Step 7. After transfer and writing, the 'Completed!' message will be displayed.

Step 8. Check the new version (ver 1.003 in this example)

The screenshot shows the web interface of a CTC Union 2000EAS/2 GigaBit Ethernet Switch. The left sidebar contains a navigation menu with categories like System, Ports, Security, and Maintenance. The 'System' category is expanded, and 'Information' is selected. The main content area displays 'System Information' with a table of system details. The 'Software Version' is highlighted as 1.003.

System	
Contact	techsupport@ctcu.com
Name	FRM220A-2000EAS-2
Location	Demo
Hardware	
MAC Address	00-02-ab-13-d0-86
Serial Number	
Time	
System Date	2021-07-13T09:28:04+08:00
System Uptime	11d 18:54:40
Software	
Software Version	1.003
Software Date	2021-06-24T11:20:51+08:00

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