

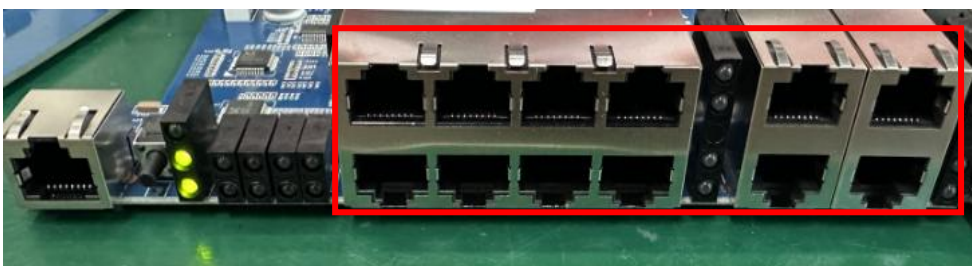
SW1204 firmware programming SOP

1. Preparation

1. 1 network cable
2. 1 computer
3. Firmware File

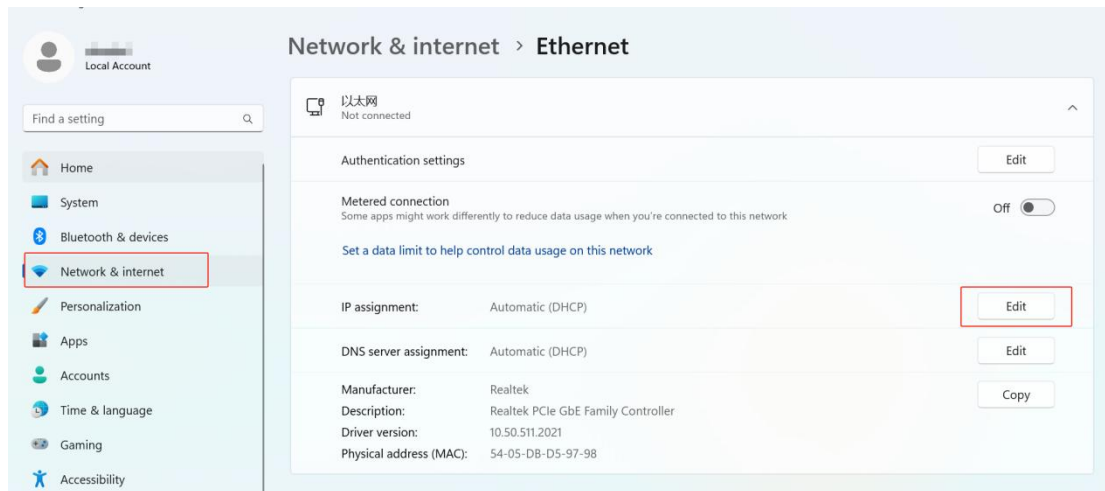
2. Connect the machine and computer with an Ethernet cable

2.1 The machine is connected to any network port in the red box

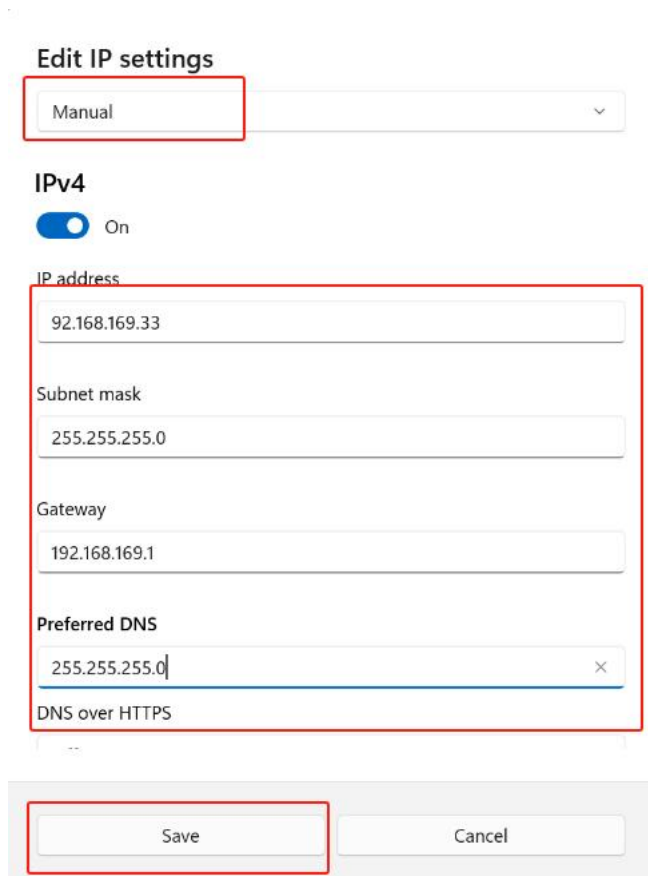


3. Set the computer to a fixed IP address

3.1 Open the computer settings, enter the network and Internet options, find IP allocation, and click Edit

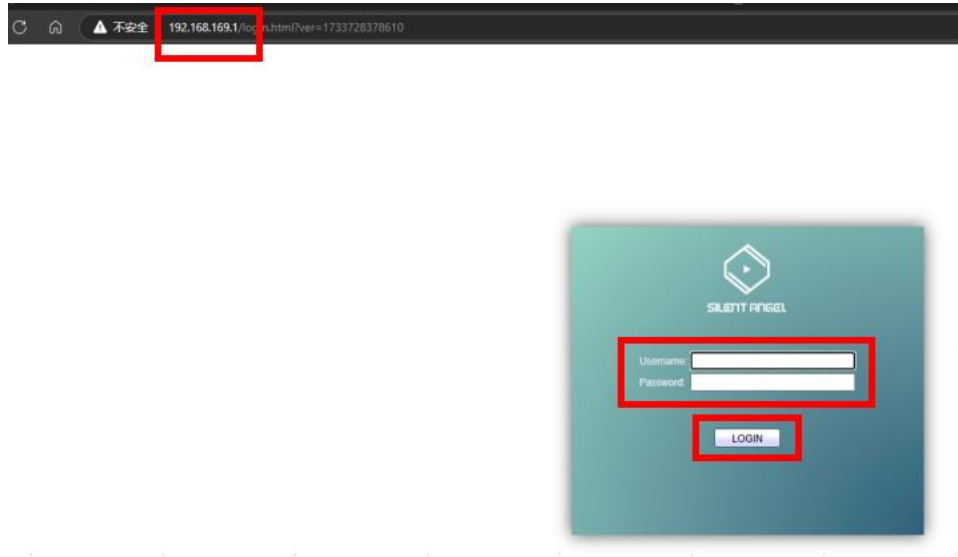


3.2 Set IP allocation to manual, IP address to 192.168.169.33, subnet mask to 255.255.255.0, gateway to 192.168.169.1, preferred DNS to 255.255.255.0, and finally click Save.

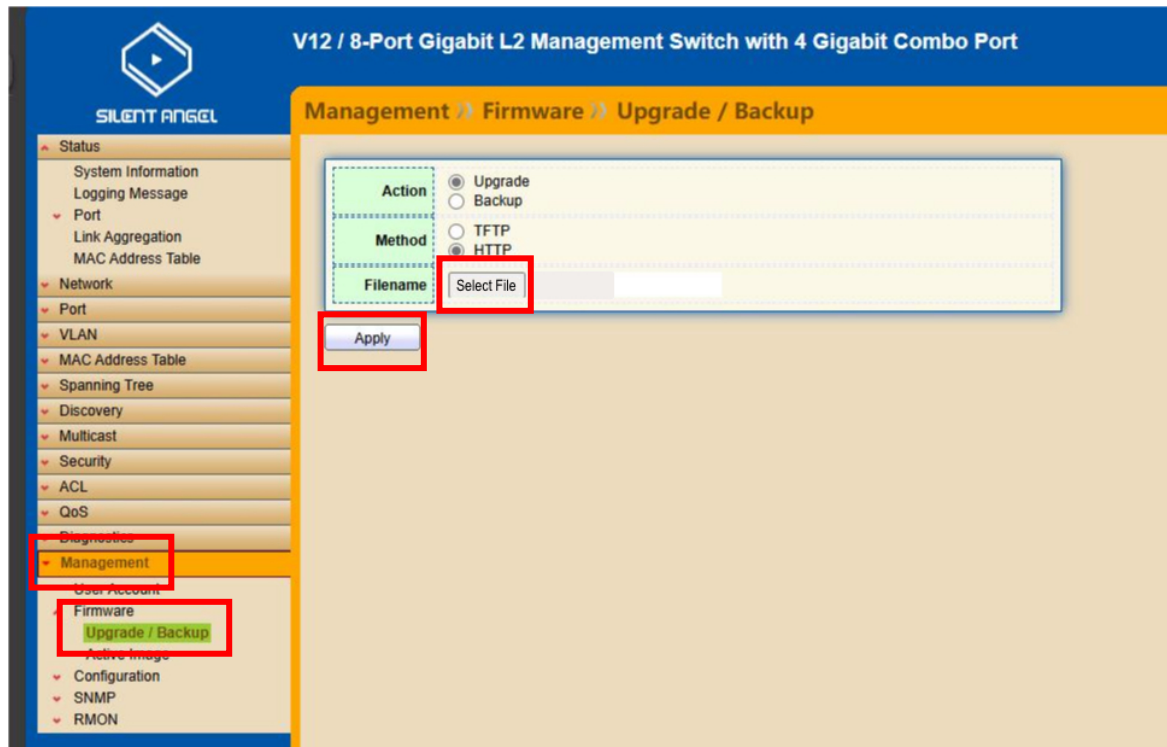


4. Enter the machine Web interface and burn the new firmware

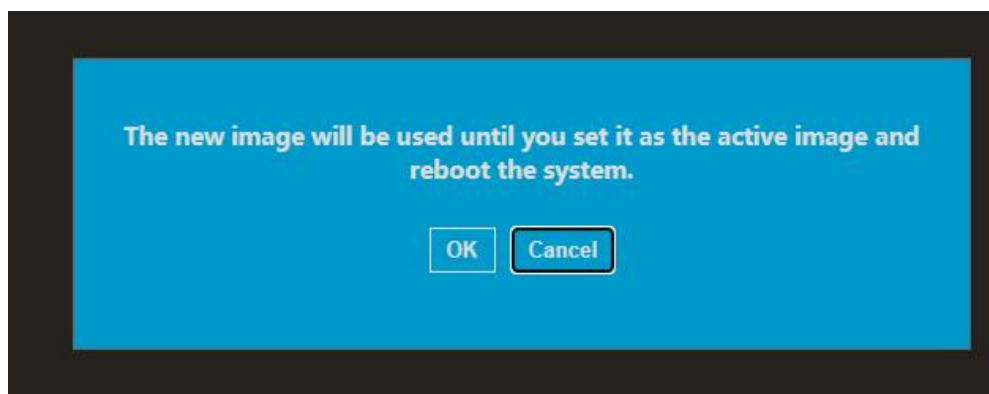
4.1 Enter the IP address of the computer's default browser: 192.168.169.1, enter the account: admin, password admin, and finally click LOGIN



4.2 After entering the Web interface, click Management---Firmware---Upgrade/Backup in the left menu bar, then click "Select File" in the upper menu bar, select the firmware file you want to burn, and finally click Apply.



4.3 Wait for about 1 minute and click OK in the pop-up box.



4.4 Change the boot firmware to 1.0.3 and click Apply.

The screenshot shows the Silent Angel web interface for a V12 / 8-Port Gigabit L2 Management Switch. The left sidebar contains a navigation menu with 'Management' and 'Firmware Upgrade / Backup' highlighted. The main content area is titled 'Management > Firmware > Upgrade / Backup'. It features two sections: 'Active Image' and 'Backup Image'. In the 'Active Image' section, 'Image0' is selected, and a note states 'Note: the image was selected for the next boot'. In the 'Backup Image' section, 'Image1' is selected. Below these sections is an 'Apply' button.

Active Image	
Firmware	Image0
Version	1.0.2
Name	
Size	6484381 Bytes
Created	2021-08-19 16:51:19

Backup Image	
Firmware	Image1
Version	1.0.3
Name	Thunder_Data_GS812A_1.0.3_vmlinux_web.bix
Size	6485496 Bytes
Created	2022-01-12 11:49:03

4.5 Finally, click Reboot, restart the machine and wait for about 1 minute

The screenshot shows the Silent Angel web interface for a V12 / 8-Port Gigabit L2 Management Switch. The left sidebar contains a navigation menu with 'Management' and 'Firmware Upgrade / Backup' highlighted. The main content area is titled 'Management > Firmware > Upgrade / Backup'. It features two sections: 'Active Image' and 'Backup Image'. In the 'Active Image' section, 'Image1' is selected, and a note states 'Note: the image was selected for the next boot'. In the 'Backup Image' section, 'Image0' is selected. Below these sections is an 'Apply' button. In the top right corner, there is a 'Reboot' button highlighted with a red box.

Active Image	
Firmware	Image1
Version	1.0.3
Name	Thunder_Data_GS812A_1.0.3_vmlinux_web.bix
Size	6485496 Bytes
Created	2022-01-12 11:49:03

Backup Image	
Firmware	Image0
Version	1.0.2
Name	
Size	6484381 Bytes
Created	2021-08-19 16:51:19

4. After the machine is reconnected, enter the account and password admin again to check whether the burning is successful.

The image shows two screenshots from the Silent Angel web interface. The top screenshot is the login page, which has a teal background and a white play button icon. It contains fields for 'Username:' and 'Password:', and a 'LOGIN' button. A blue arrow points down to the second screenshot, which is the 'Firmware' configuration page. The page title is 'V12 / 8-Port Gigabit L2 Management Switch with 4 Gigabit Combo Port'. The breadcrumb navigation is 'Management > Firmware > Active Image'. On the left is a navigation menu with 'Management' highlighted. The main content area shows two sections: 'Active Image' and 'Backup Image'. In the 'Active Image' section, 'Image1' is selected with a radio button. Below this, a table lists details for 'Image1':

Active Image	
Firmware	Image1
Version	1.0.3
Name	Thunder_Data_GS812A_1.0.3_vmlinux_web.bix
Size	6485496 Bytes
Created	2022-01-12 11:49:03

Below the 'Active Image' table is the 'Backup Image' section, which lists details for 'Image0':

Backup Image	
Firmware	Image0
Version	1.0.2
Name	
Size	6484381 Bytes
Created	2021-08-19 16:51:19

An 'Apply' button is located at the bottom of the configuration area.

5. After the machine is burned, the computer needs to be set back to the automatic IP acquisition mode