

How to upgrade a TP-Link Omada Switch?

TP-Link Omada switches support Dual Image. One image is set as the next startup image and the other is set as the backup image.

After you upgrade a firmware, the switch will automatically **map the firmware file to the backup image**.

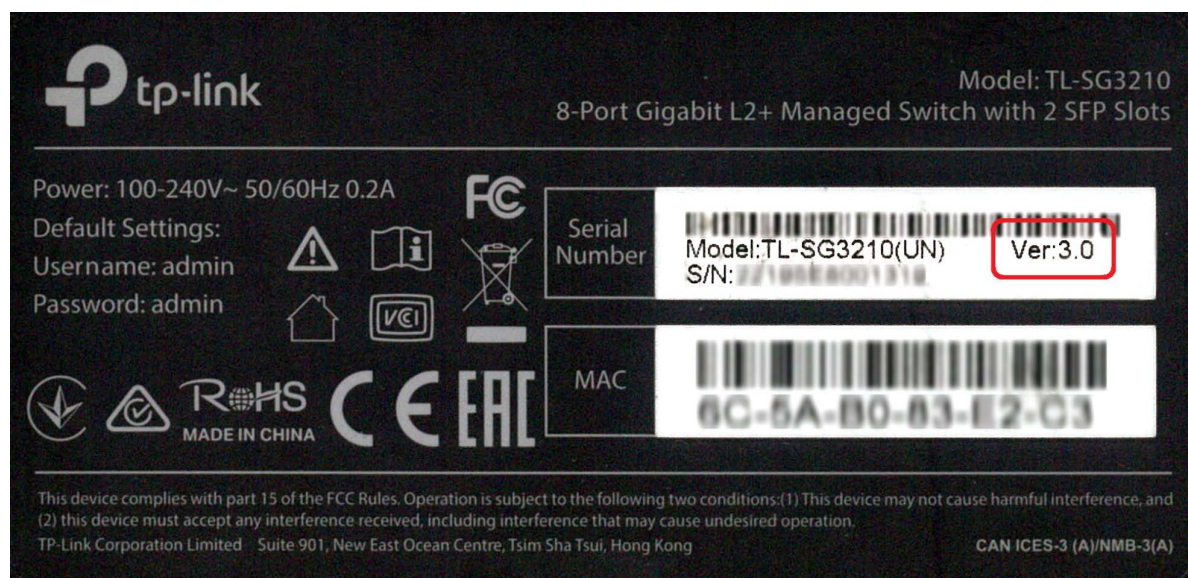
Please read the following notes then follow the steps for upgrading.

Note:

- Please **confirm the hardware version** of your switch before upgrading. You can check the hardware version on the label on the bottom of the switch (pictured below).

If there is no special statement, Ver x0 and Ver x6 can share the same firmware, such as Ver 1.0 and Ver 1.6, Ver 1.20 and Ver 1.26.

Be aware that incorrect firmware upgrades can damage your device and void your warranty.



Download the firmware from the [TP-Link Download Center](#) according to your device model number and hardware version.

- A compressed file will be downloaded, please decompress it and make sure you have the firmware with extension .bin in the decompressed folder.

Name	Type	Size
GPL License Terms	Adobe Acrobat D...	432 KB
How to upgrade a TP-Link Omada Switch	Adobe Acrobat D...	1,233 KB
TL-SG3210v3_en_3.0.3_[20211125-rel40492]_up.bin	BIN File	9,502 KB

- Do not turn off the power or disconnect the Ethernet cable during the upgrade process.
- It is highly recommended to backup the configuration before upgrading, although it is usually retained during upgrading.

Step 1. Upload new firmware.

Choose the menu **SYSTEM > System Tools > Firmware Upgrade**, click **Browse**, go to the storage path and choose the firmware, which is the file with extension .bin which you have decompressed after downloading. The new firmware will be mapped to the backup image after upgrading.

Firmware Upgrade

You can upgrade the firmware of the switch using the new upgrade file.

Firmware Version: 3.0.2 Build 20210806 Rel.55686

Hardware Version: TL-SG3210 3.0

Image Name: Backup Image

Firmware File:

TL-SG3210v3_en_3.0.3_[2...

Browse

☐ Reboot the switch using the backup image after upgrading is completed.

Upgrade

Step 2. Automatic or Manual Upgrade?

Now it's time to decide whether to automatically or manually upgrade.

Auto upgrade means the switch will do the upgrade and reboot automatically, after which it will run the new firmware. Please go to Step 3.

Manual upgrade means the switch maps the new firmware to the backup image, but keeps the current firmware running. To activate the new firmware, you need to manually reboot the switch, after which the new firmware will work. Please go to Step 4.

Step 3. Auto Upgrade

Check "Reboot the switch using the backup image after upgrading is completed", then click **Upgrade**. After upgrading, the switch will reboot automatically and run with the new firmware.

Firmware Upgrade

You can upgrade the firmware of the switch using the new upgrade file.

Firmware Version: 3.0.2 Build 20210806 Rel.55686

Hardware Version: TL-SG3210 3.0

Image Name: Backup Image

Firmware File:

TL-SG3210v3_en_3.0.3_[2...

Browse

☒ Reboot the switch using the backup image after upgrading is completed.

Upgrade

Step 4. Manual Upgrade

If you wish to **keep the current image after upgrading** and **configure it to reboot with the backup image manually**, leave "Reboot the switch using the backup image after upgrading is completed" unchecked, and click **Upgrade**. It will take several minutes to upgrade, please wait and do not perform any operations.

Choose the menu **SYSTEM > System Tools > Boot Config**, here the image table shows that the next startup image is image 1, the backup image is image 2, and new firmware has been upgraded and mapped to image 2. With the current boot config, the switch will always start up with image 1, thus the new firmware will not take effect.

Boot Config

<input checked="" type="checkbox"/>	Unit	Current Startup Image	Next Startup Image	Backup Image	Current Startup Config	Next Startup Config	Backup Config
<input checked="" type="checkbox"/>	1	Image_1.bin	Image_2.bin	Image_1.bin	Config_1.cfg	Config_1.cfg	Config_2.cfg
Total: 1		1 entry selected.			<input type="button" value="Cancel"/> <input type="button" value="Apply"/>		<input type="button" value="Restore"/>

UNIT 1	
▼ Current Startup Image	
Image Name:	image1.bin
Software Version:	3.0.0
Flash Version:	1.3.0
▼ Next Startup Image	
Image Name:	image1.bin
Software Version:	3.0.0
Flash Version:	1.3.0
▼ Backup Image	
Image Name:	image2.bin
Software Version:	3.0.1
Flash Version:	1.3.0

If you need to activate the new firmware, set the **next startup image** as **Image_2.bin**, and **backup image** as **Image_1.bin**, click **Apply**. Then choose the menu **SYSTEM > System Tools > System Reboot** , > **System Reboot**, you can reboot the switch immediately or create a reboot schedule to make it take effect. Note to check "Save the current configuration before reboot" then click **Reboot**. After rebooting, the switch will run the new firmware.

System Reboot

Reboot Schedule

System Reboot

Target Unit:

All Unit

☒ Save the current configuration before reboot

Reboot