



FS S3200 Series Switches Firmware Upgrading Instructions

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FS S3200 Series Switches Firmware Upgrading



S3200 Series Switches Product Information

The S3200 Series Switches are a line of network switches designed for small to medium-sized businesses. The switches allow for firmware upgrades to ensure the latest features and security patches are installed. The S3200-8MG4S and S3200-8MG4S-U models are part of the S3200 series and are compatible with the firmware upgrade guide.

Product Usage Instructions

Follow these steps to upgrade the switch system firmware:

Step 1: Connection Equipment

Connect one end of an RJ-45 cable to the PC's network port and the other end to the Manage interface of the S3200-8MG4S switch. Connect one end of a console line USB to the PC's USB interface and the other end of an RJ-45 connector to the console interface of the front panel of the switch.

Step 2: Download Related Software

Search and install SecureCRT debugging software and Tftpd32 file transfer software through Google.

Step 3: Configure Computer IP

1. Open the Network and Internet configuration and select "Change adapter options."
2. Double-click "Ethernet" and select "Properties."
3. Double-click "Internet Protocol Version 4 (TCP / IPV4)" and select "Use the following IP address."
4. Modify the IP address to be in the same network segment as the switch IP (default IP for the switch is 192.168.1.1) and save.

Step 4: Configure Software Parameters

1. After the switch is powered on, right-click My Computer on the PC, click Manage, and check the COM port corresponding to the console line in the device manager.
2. If an unrecognized USB device is displayed, download and install the corresponding driver.
3. Open SecureCRT, select the serial port login method, and select the serial number from the device manager.
4. The baud rate is 115200, and flow control is not selected.

Step 5: Login Switch

When starting the switch, press the ESC button to enter the command line.

Step 6: Configure the Port of the Network Card Connection Device for the Server

Enter the command to initialize port 1:

```
RTL9310# rtk network on
```

```
RTL9310# rtk macsds set 2 sgmi
```

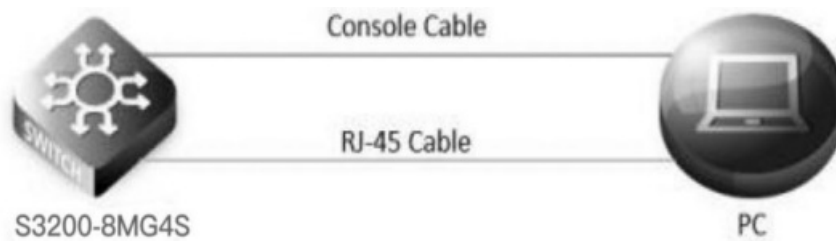
Step 7: Configure Tftpd32 Software

Follow the instructions in the firmware upgrade guide to configure Tftpd32 software.

Introduction

This document details the steps to upgrade the switch system firmware for version 1.0.1.11

Topology



Configuration Steps

Connection Equipment

According to the way of networking topo to connect PC and S3200-8MG4S switch to the network. One end of the RJ-45 cable is connected to the PC's network port, and the other end is connected to the Manage interface of S3200-8MG4S. At the same time, one end of console line USB is connected to PC's USB interface, and the other end of RJ-45 connector is connected to the console interface of front panel of the switch.

Download Related Software

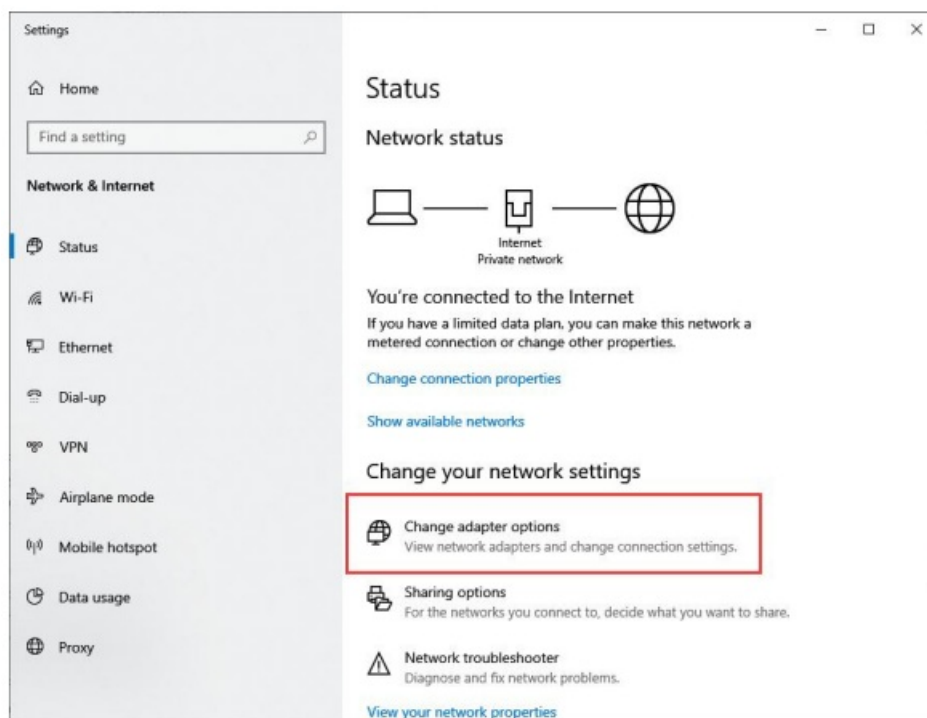
Search and install SecureCRT debugging software and Tftpd32 file transfer software through Google.

Configure Computer Ip

Before connecting to the device, we need to configure the IP of the local computer, so that the computer ip and the switch ip are in the same network segment.

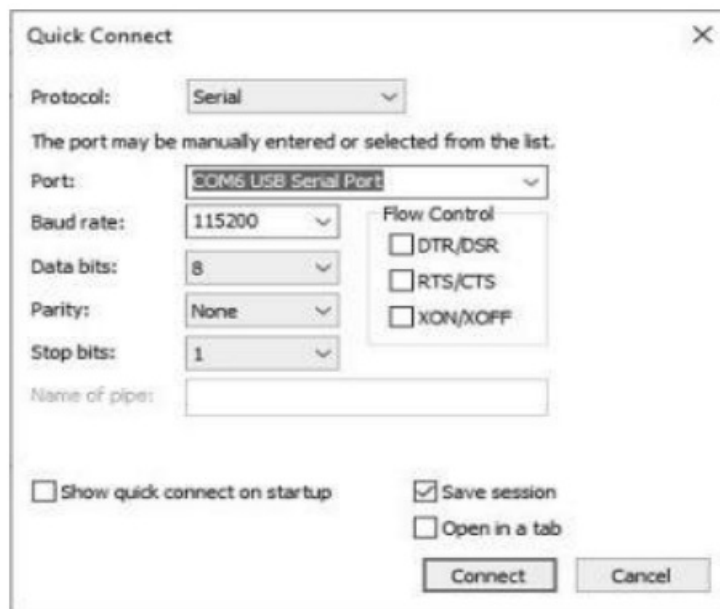
First Step Open the Network and internet configuration, and select 'Change adapter options' Second step: Double-click 'Ethernet' → Select 'Properties' → Double-click 'Internet Protocol Version 4 (TCP / IPV4)' → select 'Use the following IP address', Modify the ip address and save.

Note that the default ip for the switch is 192.168.1.1



Configure Software Parameters

After the switch is powered on, right-click "My Computer" on the PC, click Manage, and check the com port corresponding to the console line in the device manager. (If an unrecognized USB device is displayed, please download and install the corresponding driver), then open SecureCRT, select the serial port login method, and select the serial number from the device manager. The baud rate is 115200 and flow control is not selected. As the picture shows.



Login Switch

When starting the switch, and display “Hit Esc key to stop autoboot: 1”, press “ESC” button to enter the command line.

As the picture shows.

```
Board: RTL9310 CPU:1000MHz LX:200MHz DDR:800MHz
DRAM: 512 MB
SPI-F: MXIC/C22018/MMIO16-1/ModeC 1x16 MB (plr_flash_info @ 83f85550)
Loading 65536B env. variables from offset 0xe0000
Net: Net Initialization Skipped
No ethernet found.
Hit Esc key to stop autoboot: 0
RTL9310# #
```

Configure the Port of the Network Card Connection Device for the Server

After completing the previous step, we need to configure the port of the server network card connection device. For example: the network card connection port 1 of the server. Enter the command to initialize port 1

RTL9310# rtk network on

```
RTL9310# # rtk network on
Enable network
Please wait for PHY init-time ...
```

RTL9310# rtk macsds set 2 sgmi

```
RTL9310# # rtk macsds set 2 sgmi
sds=2 mode=sgmii
unit 0 sds 2 mode 8
RTL9310# #
```

Configure Tftpd32 Software

Open Tftpd32 software and set Server interfaces as the local IP address of the computer. Current directory file Select the location where the firmware file is stored.As the picture shows.

Upgrade the System Firmware

Upload the firmware file to the switch for upgrade with the following commands:

```
RTL9310# upgrade image 192.168.1.88:S3200-Series-Switch-FSOS-v1.0.1.11-Release(221128).bix
```

Note: 192.168.1.88 is the native ipv4 address; and S3200-Series-Switch-FSOS-v1.0.1.11-Release(221128).bix is the firmware file

Restart the Device

After all the above steps, we need to restart the device to upgrade successfully. The restart command is as follows:

```
RTL9310# reset
```

Enter Web Interface

After the restart, Upgrade was completed. Enter the Administrator IP address:192. 168. 1.88 in the URL bar of Google

Browser,then enter the default username and password admin/admin.As the picture shows.



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Documents / Resources

	<p>FS S3200 Series Switches Firmware Upgrading [pdf] Instructions S3200-8MG4S, S3200-8MG4S-U, S3200 Series Switches Firmware Upgrade, S3200 Series Switches, Switches Firmware Upgrade, Switches, Firmware Upgrade</p>
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References

-  [FS.com - Data Center, Enterprise, Telecom](#)

Manuals+.