

S38 Basic Configuration



Contents

| 1 Web Login Summary | 1 |
|--|----|
| 1.1 Overview | 1 |
| 1.2 Management IP/ Route Configuration | 1 |
| 1.3 User Configuration | 2 |
| 1.4 Http Configuration | 2 |
| 1.5 Web Login | 3 |
| 2 Firmware upgrade | 5 |
| 2.1 Upgrade in web | 5 |
| 2.2 Upgrade via tftp server | 7 |
| 2.3 Upgrade via Xmodem | 10 |
| 3 View module DDM information | 11 |
| 3.1 View module DDM information | 11 |
| 4 Restart With Factory Default | 12 |
| 4.1 Restart With Factory Default | 12 |
| 5 Modify the baud rate | 13 |
| 5.1 Modify the baud rate | 13 |



1 Web Login Summary

1.1 Overview

This chapter describes how to configure the switch to support logining by HTTP.

1.2 Management IP/ Route Configuration

Before Web network management, user should configure the management IP and route by CLI on switch, first connect the computer and switch with a console line, and then enter the switch to configure the commands.

The default login user name of the S38 series is admin, and the password is 123456, The baud rate is 115200.







Set management IP address:

S3800-24T4S>enable

S3800-24T4S # configure terminal

S3800-24T4S (config)# interface vlan 1

S3800-24T4S (config-if-vlan)# ip address 10.10.38.1 255.255.254.0

1.3 User Configuration

User should add logining user by CLI before access switch by HTTP.

For example: S3800-24T4S (config)#username admin privilege 4 password 123456

1.4 Http Configuration

Step 1

Set the computer to the same network segment as the switch management ip.



| Wetwork Connections ← → ~ ↑ P → Control Panel → Network a | nd Internet > Network Connections | | ~ Č | | ctions ,0 |
|---|--|---|---|--------------------------------------|--------------------|
| Organize Disable this network device Di WLAN fs.com-A1 Dell Wireless 1707 802.11bj | egnose this connection Rename this con ethernet fs.com-A1 Realtek PCIe GBE Family C | View status of this connecti | on Change settings of th | his connection 📳 👻 | |
| ethemet Properties Networking Sharing Connect using: Patters PCI6 GBE Family Controller This connection uses the following tens: W Moresoft FSIGES 72(#14)TFDFU, W Const Mitted 1-Mitted W Intermet through the Const Mitted Mitted 1-Mitted 1-Mitted Mitted 1-Mitted Mitted 1-Mitted 1-Mitted Mitted 1-Mitted | × Configure 登坊议 Procettes 支援教いは約715459時 百士姓氏。 | tt thVUKE ** 4 (TCP/IPv4) Properties al con get IP settings anginet automatically (apablity: Otherwane); you need to aik, you he appropriorite IP settings. (Obtain an IP address: address: fault gateway: chart make fault gateway: 0 bitan DRG server addresses enfault gateway: 0 bitan DRG server addresses ternate DRS server: 0 validate settings upon exit | your network ausoorts 10 - 30 - 3 55 - 254 - 0 10 - 39 - 254 8 - 8 - 8 Augustation Advanced | set PC's ip in segment with ip | same ۱ switch's |
| 3 items | OK Cancel Matter | | OK Cancel | | 8== 6 |

Step 2

Enable HTTP service for web network management :

S3800-24T4S>enable

S3800-24T4S # configure terminal

S3800-24T4S(config)#http enable

1.5 Web Login

Step 1

Open IE browser, input address field with URL (Universal Resource Locator) address of the switch.

Step 2

Enter username and password which user created with CLI, the login page is shown

as the figure below.

| Username: | admin | | |
|-----------|--------------------|------------|--|
| Password: | | | |
| Language: | English Login | • | |
| | | | |
| Fib | erstore CO.Limited | www.FS.com | |
| | | | |

Figure 1-1: Login page



Step 3

Enter the main page.

| 5.COM | | Software version: V100R001B01D001P004SP4 | | Language: English | |
|--------------------------|---|--|--|-------------------|------------------|
| Currer | sosition:System Management-> Running System | Status | | o retresh Never • | Click for refres |
| | Running system status | | | | |
| n Management | Running system status | | | | |
| tem Information Settings | Product description | \$3800-24745 | | | |
| | Hardware version | V1.2 | | | |
| ware Undate | Software version | \$3800-24T45 V100R001801D001P0045P4 | | | |
| | MAC address | 00:0a:5a:3e:ff:16 Setting | | | |
| e Settings | IP address | 192.168.100.107 Setting | | | |
| inagement | Subnet mask | 255.255.255.0 | | | |
| | Default gateway | 192.168.100.1 | | | |
| Statistics Management | Trap IP | Setting | | | |
| | System startup time | 0-Days 0-Hours 37-Minutes 4-Seconds | | | |
| Aggregation | System name | SW4 Setting | | | |
| icast Settings | System location | sample sysLocation factory default | | | |
| | Web page timeout (in minute) | 5 Setting | | | |
| P Settings | 602.1D spanning tree | Enabled Setting | | | |
| | Jumbo frame | Setting | | | |
| | IGMP snooping | Disabled Setting | | | |
| r Settings y Policy | SNMP status | Disabled Setting | | | |
| | 892.10 VLAN | Setting | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Figure 1-2: Main page

Parameter usage

| Parameter Item | Instructions |
|----------------|----------------------|
| 1 | The picture of logo |
| 2 | The name of the user |
| 3 | Navigation area |
| 4 | Operating area |



2 Firmware upgrade

2.1 Upgrade in web

Step 1

Download the upgrade file fsos-s3800-series-p004sp3-2018.04.09 .arj and place it in the desktop directory



Step 2

Open the browser and enter the switch management IP in the address bar to enter the web interface

Step 3

username : admin

 $Password \ : \ admin$

Step 4

Click on "System Management" --- "Software Update"

Step 5

Select the upgrade file in "Please select host software:" and click Upgrade



| FS.COM | | | | | | nglish |
|--|---|---|---|---|---|--|
| Correct g Control Grand Control Grand Control Grand Control Grand Control Grand Control Victors Control Victors Contr | enklängigten Managerent:sio havan Update Saftware update Current host software version: Version nelassa frami Current floottion version: Please seleft chott software: | 53000-24745 V1008031010001P Apr 09 2018 10:20:00 V1.6 2018.0:2018 10:20:00 V1.6 2018.0:2019 49208244. Lossin | Art.20 Copyrige * 1 Annuard Nature * 1 Annuard Nature * 1 Annuard Nature * 1 Annuard | totient & Vasilantik - jatu + Tore: Tore: | Date modified Type (FAQ/2013 12:17 AM File fielder (FAQ/2013 12:17 AM File fielder (FAQ/2013 11:10 AM AD File (FAQ/2013 11:10 AM AD File | • 49 Sze 6,2318 5 566 6,1368 6,1368 |

Step 6

Display upgrade successful

| Product d | | Software v | Update successfully, new function will be available after restart | | | | |
|--|--|------------|---|----------|--------------------|---|-------------------|
| O Current p | osition:System Management -> Software Update | | 1 | E | Auto refresh Never | • | Click for refresh |
| Control Panel | | | | | | | |
| Running System Status System Information Settings | | | | | | | |
| User Hanagement Web Page Timeout Settings | | | | | | | |
| Software Update | | | | | | | |
| Save Settings | | | | | | | |
| Port Hanagement | | | | | | | |
| VLAN Settings | | | | | | | |
| STP Settings Multicast Settings | | | | | | | |
| GARP Settings SNMP Settings | | | | | | | |
| Protocol Settings 0oS Settings | | | | | | | |
| MAC Settings | | | | | | | |
| Security Policy | | | | | | | |
| Degout | | | | | | | |

Step 7

Save the configuration , then restart the switch (you can restart the web interface here.)

S3800-24T4S#copy running-config startup-config

```
S3800-24T4S#reboot
If you do not save the settings, all changes made will be lost.
Are you sure you want to proceed with the system reboot(y/n)?[n]
```

Step 8

Enter the command "show version" to view the current version and check whether the

upgrade is successful.

| S3800-24T4S#show ver | sion | |
|----------------------|---------------------------------------|--|
| software platform | : Broadband Network Platform Software | |
| software version | : S3800-24T4S V100R001B01D001P004SP3 | |
| copyright | : Copyright (C) | |
| compiled time | : Apr 09 2018 10:20:00 | |
| processor | : ARM Cortex-A9, 400MHz | |
| SDRAM(bytes) | : 512M | |
| flash memory(bytes) | : 16M | |
| MAC address | : 00:0a:5a:3e:ff:16 | |
| product serial no. | : 0104029400001611020000039 | |
| hardware version | : V1.2 | |
| bootrom version | : V1.6 | |



2.2 Upgrade via tftp server

TOPO:



(1) First connect the computer and switch with a console line, and then enter the switch to configure commands.

The default login user name of the S3800 series is admin, the password is admin, and the baud rate is 115200.

The example uses SecureCRT software to log in to the switch

(2) Install a tftpd32 emulation tftp server on the pc then set the pc and switch to the same network segment



switch : 192.168.100.254

S3800-24T4S>enable

S3800-24T4S # configure terminal

S3800-24T4S (config)# interface vlan 1

S3800-24T4S (config-if-vlan)# ip address 192.168.100.254 255.255.255.0 Pc: 192.168.100.10

| 🔿 Obtain an IP address automa | itically |
|-------------------------------|----------------------|
| Use the following IP address: | |
| IP address: | 192 . 168 . 100 . 10 |
| Subnet mask: | 255 . 255 . 255 . 0 |
| Default gateway: | 2 31 3 |
| Obtain DNS server address a | utomatically |
| Use the following DNS server | addresses: |
| Preferred DNS server: | |
| Alternate DNS server: | |
| | |

(3) Open the tftpd32 software and select the server address as 192.168.100.10. Copy the firmware to be upgraded to the root directory of the unzipped tftpd32 file.

| $\rightarrow \land \uparrow$ | > Ne | w folder > tftpd32 | | | | 5 v | Search tftpd32 | P |
|------------------------------|-------------------|--------------------|--------------------|-------------|-----------|-----|----------------|---|
| | | Name | Date modified | Туре | Size | | | |
| Quick access | | Dist.rar | 6/12/2018 2:58 PM | WinRAR 压缩文件 | 26,667 KB | | | |
| Desktop | R | tftpd32.exe | 6/28/2018 10:06 AM | Application | 230 KB | | | |
| Downloads | A | | | | | | | |
| 🗎 Documents | \mathcal{A}^{b} | | | | | | | |
| Pictures | * | | | | | | | |
| 📃 This PC | * | | | | | | | |
| HCNP | * | | | | | | | |
| New folder | | | | | | | | |



(4) Enter the switch to enter the command as shown:

```
S3800-24T4S#load application tftp inet 192.168.100.10 host.arj
Downloading application via TFTP...
```

Wait for the download to complete

| erver interfa | ces [| 192.1 | 69 100 10 | Realiek PCI | a GRE Family (| | Show Dir |
|---------------|---------|-------|--|--|----------------|---------|------------|
| ltp Server | Tftp Cl | ient | Syslog server | Log viewer | e doc ranky c | | 311047 211 |
| eer | | | file | start time | progress | bytes | total |
| 32.168.10 | 38-491 | 62 | along the state | CONTRACTOR AND | | | |
| | | 63 | <nost.an<< th=""><th>17:01:13</th><th>37%</th><th>2355712</th><th>6280307</th></nost.an<<> | 17:01:13 | 37% | 2355712 | 6280307 |
| | | 65 | < nost. aŋk | 17:01:13 | 37% | 2355712 | 6280307 |

Download completed

```
53800-24T45#load application tftp inet 192.168.100.10 host.arj
Downloading application via TFTP...
Download application via TFTP successfully.
53800-24T45#
```

- (5) Restart the switch after successful download and complete the upgrade.
- (6) Check the current version with the command "show version" to check if the upgrade

was successful

```
S3800-24T4S#show version

software platform : Broadband Network Platform Software

software version : S3800-24T4S V100R001B01D001P004SP3

copyright : Copyright (C)

compiled time : Apr 09 2018 10:20:00

processor : ARM Cortex-A9, 400MHz

SDRAM(bytes) : 512M

flash memory(bytes) : 16M

MAC address : 00:0a:5a:3e:ff:16

product serial no. : 0104029400001611020000039

hardware version : V1.2

bootrom version : V1.6
```



2.3 Upgrade via Xmodem

(1) After the switch is started, use the reboot command in the command line to restart the switch. Then hold down "A" until the switch enters bootroom mode. Then enter "4" to enter the serial download

| • f 🏳 🖓 Enter host «Alt+R» | |
|--|--|
| Session Manager 📮 🔯 | 🛹 serial-com5 🔞 |
| 0 II + X D I X O / * | Admin# |
| Filter by session name <alt+i></alt+i> | Admin#reboot |
| 🔺 🎉 Sessions | Are you sure you want to proceed with the system reboot(y/n)?[n]Y |
| 192.168.0.250 | |
| 192.168.1.214 | Administration |
| 192.168.100.102 | |
| 192.168.100.103 | |
| 192.168.100.105 | AAA 3 |
| 192.168.100.106 | |
| 192.168.100.201 | Main Menu |
| 192.168.100.202 | 1. Boot from Flash |
| 192.168.100.205 | 3. Advanced menu |
| 192.168.100.208 | 4. Download via serial 5. Display the boot configuration |
| 192.168.100.209 | 6. Modify the MAC address |
| serial-com3 | 7. Set the factory-default MAC address 8. Set the product serial number |
| iserial-com4 | Please enter your choice : 4 |
| 🛤 serial-com5 | |
| 📲 serial-com6 | Download via costal submomu |
| | 1. Download image via serial and run 2. Download image via serial and update to FLASH 3. Update BootRom to FLASH via serial 5. Set baud rate to 38400 |
| | 5. set baud rate to 315200 Enter your choice (Type r&R to return): |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

(2) On the serial download page, you can set the default baud rate of the switch, select

"2" to upgrade the system, and then select "Transmit"—"Send Xmodem" on the SecureCRT to select the firmware to be upgraded.



(3) Then wait for the firmware to finish uploading



3 View module DDM information

3.1 View module DDM information

S3800-24T4S#show interface sfp ethernet 0/1/4

Module DDM information is displayed normally

| 53800-24T45#show interface sfp | |
|--------------------------------|--------------|
| Port e3/1/3 : | |
| Common information: | |
| Transceiver Type | :SFP/SFP+ |
| Comparter Type | :IUUUBASE-SX |
| Wayol ongth (pm) | 1850 |
| Transfer Distance(m) | :550(50um) |
| Digital Diagnostic Monitoring | • YES |
| Manufacture information: | |
| Manu. Serial Number | :1707130576 |
| Manufacturing Date | :2017-07-13 |
| VendorName | :Fiberstore |
| Diagnostic information: | |
| Temperature(:28 | |
| Voltage(V) | :3.4051 |
| Blas Current(MA) | :3.200 |
| Blas High Threshold(mA) | :85.00 |
| BTAS LOW THE ESHOTO (IIA) | .0.00 |
| RX Power High Threshold(dBM) | :-1.00 |
| RX Power Low Threshold(dBM) | :-19.20 |
| TX Power (dBM) | :-6.20 |
| TX Power High Threshold(dBM) | :-3.00 |
| TX Power Low Threshold(dBM) | :-9.10 |



4 Restart With Factory Default

4.1 Restart With Factory Default

In the web interface, click "System Management" - "restart" - "Restart With Factory Default"





5 Modify the baud rate

5.1 Modify the baud rate

After rebooting the switch, keep pressing "A" until the switch enters the bootroom mode. Then enter "4" to enter the baud rate setting page of the serial port. Here, you can set the default baud rate of the switch.

🏭 🕄 🎧 🎣 🕷 輸入主机 <Alt+R> - B B A - 5 5 3 - 7 % 1 0 🖪 < serial-com3 (1) 🛛 🗙 4 1 . Count down to auto-boot... 2 Main Menu Main Menu 1. Boot from Flash 2. Load secondary host file 3. Advanced menu 4. Download via serial 5. Display the boot configuration 6. Modify the MAC address 7. Set the factory-default MAC address 8. Set the product serial number Please enter your choice : 4 Download via serial submemu 1. Download image via serial and run 2. Download image via serial and update to FLASH 3. Update BootRom to FLASH via serial 4. Set baud rate to 9600 5. Set baud rate to 38400 6. Set baud rate to 57600 7. Set baud rate to 115200 Enter your choice (Type r&R to return): Ξ Enter your choice (Type r&R to return):