



HG5000 GPON OLT WEB USER MANUAL

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Chapter 1 Monitor

1.1 System Information

1.1.1 LoginOLT

The default management address of the OLT is 192.168.168.1, the PC is configured as the address of the 192.168.168.X, and the network cable is connected to the MGMT port to access the OLT. The default user name and password are admin/admin.

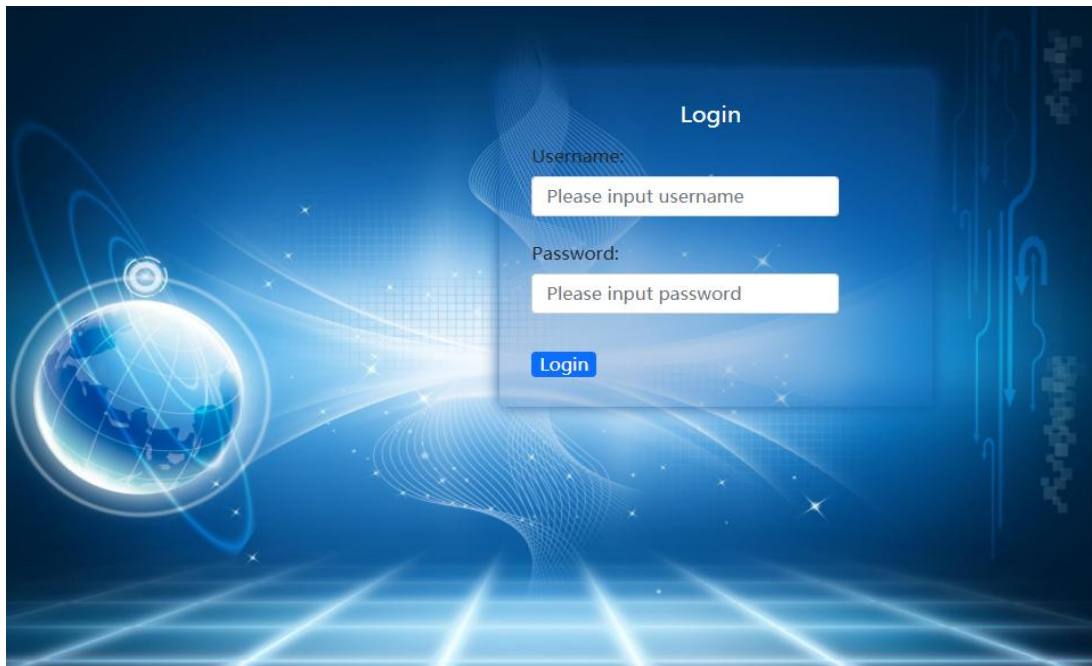


Figure 1-1

1.1.2 Device Information

1. Click Monitor-> System Information-> Device Information
2. This page displays information such as product description, hardware version, software version, and MAC address.



Figure 1-2

1.2 Port Information

Port information displays device port status, port traffic statistics, and uplink optical module information.

1.2.1 Basic Information

1. Click Monitor -> Port Information -> Basic Information
2. This page displays the port status, priority, speed, MTU, description and other information.

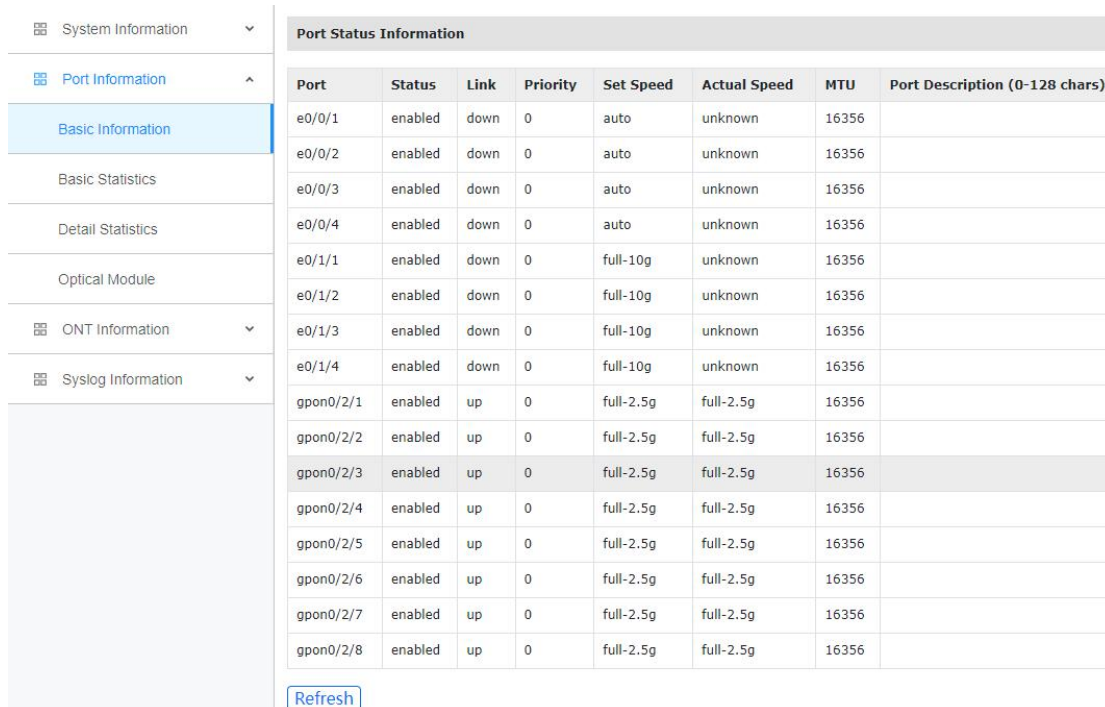


Figure 1-3

1.2.2 Basic Statistics

- 1.Click Monitor-> Port Information-> Basic Statistics
2. This page displays simple statistics about packets transmit and receive by the port.

System Information	Port Statistics Information						
Port Information	Port	Receive Packets	Receive Bytes	Receive Errors	Transmit Packets	Transmit Bytes	Transmit Errors
Basic Information	e0/0/1	0	0	0	0	0	0
Basic Statistics	e0/0/2	0	0	0	0	0	0
Detail Statistics	e0/0/3	0	0	0	0	0	0
Optical Module	e0/0/4	0	0	0	0	0	0
ONT Information	e0/1/1	0	0	0	0	0	0
Syslog Information	e0/1/2	0	0	0	0	0	0
	e0/1/3	0	0	0	0	0	0
	e0/1/4	0	0	0	0	0	0
	gpon0/2/1	0	0	0	0	0	0
	gpon0/2/2	0	0	0	0	0	0
	gpon0/2/3	0	0	0	0	0	0
	gpon0/2/4	0	0	0	0	0	0
	gpon0/2/5	0	0	0	0	0	0
	gpon0/2/6	0	0	0	0	0	0
	gpon0/2/7	0	0	0	0	0	0
	gpon0/2/8	0	0	0	0	0	0
	Refresh Clear						

Figure 1-4

1.2.3 Detail Statistics

- 1.Click Monitor->Port Information->Detail Statistics
2. This page displays detailed statistics about the received and transmit packets on the port.

System Information	Port Selection			
Port Information	e0/0/1			
Basic Information				
Basic Statistics				
Detail Statistics	Port Detail Statistics			
Optical Module	Pkts 64 Bytes	0	Pkts 65-127 Bytes	0
ONT Information	Pkts 128-255 Bytes	0	Pkts 256-511 Bytes	0
Syslog Information	Pkts 512-1023 Bytes	0	Pkts 1024-1518 Bytes	0
	RX Unicast Pkts	0	TX Unicast Pkts	0
	RX Multicast Pkts	0	TX Multicast Pkts	0
	RX Broadcast Pkts	0	TX Broadcast Pkts	0
	RX Frames	0	TX Frames	0
	RX Bytes	0	TX Bytes	0
	RX Discarded Pkts	0	TX Discarded Pkts	0
	RX Errors	0	TX Errors	0
	Refresh Clear			

Figure 1-5

1.2.4 Optical Module

1. Click Monitor->Port Information->Optical Module
2. This page displays the basic information and DDM information of the optical module of the uplink port.

System Information	Optical Module Basic Information
Port Information	
Basic Information	
Basic Statistics	
Detail Statistics	
Optical Module	
ONT Information	
Syslog Information	
Refresh	

Port	Transceiver	Compliance	Connector	WaveLength(nm)	Transfer Distance(m)	DDM	Serial Number	Date	Vendor
gpon0/2/2	SFP/SFP+	GPON	SC	1490	20000(9um)	yes	202111080001	2021-11-08	OEM

Port	Temperature(°C)	Voltage(V)	Bias Current(mA)			RX Power(dBm)			TX Power(dBm)		
			Current	High Threshold	Low Threshold	Current	High Threshold	Low Threshold	Current	High Threshold	Low Threshold
gpon0/2/2	33	3.21	8.66	70	2	-21.61	-11	-29.21	5.8	7.8	3.5

Refresh

Figure 1-6

1.3 ONT Status

1. Click Monitor->ONT information->ONT Status
2. This page displays ONT's SN, model, Up Duration, run state and member state, etc.

System Information	GPON Port Selection
Port Information	gpon0/2/2
ONT Information	
ONT Status	
ONT Auto Find	
ONT Silent	
DBA Map	
Syslog Information	
Refresh	

Port	ONT	Serial Number	Model	Up Duration	Run State	Member State	Detail
0/2/2	3	GPTF-00ed6885	N/A	0d0h57m	Normal	active	Detail

Refresh

Port	ONT	Serial Number	Model	Down Duration	Deregister Reason	Member State	Detail
------	-----	---------------	-------	---------------	-------------------	--------------	--------

Refresh

Figure 1-7

1.3.1 Overview

1. Click Monitor->ONT information->ONT Status->Detail->Overview
2. This page displays ONT's Description, Run state and Distance, etc.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

Port gpon0/2/2 ONT 3 Information

Back To ONT List

Overview

Capability

Optical

Port Status

Statistics

Mac Address

Multicast Group

Type	N/A
Description	ONT_NO_DESCRIPTION
Run State	online
Member State	active
Distance(m)	<8
Vendor ID	MONU
Serial Number	GPTF-00ed6885
Password	1234567890
LOID	123456789
Check Code	N/A
Main Software Version	V1.0.1
Secondary Software Version	N/A
Firmware Version	V5.2
Online Time	23:10:46 2000/02/26
Up Duration	0 day(s) 3 hour(s) 30 minute(s)

Refresh

Figure 1-8

1.3.2 Capability

- 1.Click Monitor->ONT information->ONT Status->Detail->Capability
2. This page displays ONT's capability information.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

Port gpon0/2/2 ONT 3 Information

Back To ONT List

Overview

Capability

Optical

Port Status

Statistics

Mac Address

Multicast Group

Uplink GPON Ports Number	1
ETH/POTS/TDM/MOCA Ports Number	1/0/0/0
CATV ANI/UNI Ports Number	0/1
T-CONTs/GEM Ports Number	16/64
Traffic Schedulers	16
T-CONT Number	8
PQs Number in T-CONT	8/8/8/8/8/8/8/8
DBA Type	SR
IP Configuration	Support
Flow Control Type	GEMPORT CAR and PQ SCHEDULED
Tx Power Cut Off	Not Support

Refresh

Figure 1-9

1.3.3 Optical

- 1.Click Monitor->ONT information->ONT Status->Detail->Optical
2. This page displays ONT's optical module power information.

System Information Port Information ONT Information ONT Status ONT Auto Find ONT Silent DBA Map Syslog Information	Port gpon0/2/2 ONT 3 Information Back To ONT List Overview Capability Optical Port Status Statistics Mac Address Multicast Group <table><tr><td>Voltage(V)</td><td>3.32</td></tr><tr><td>Rx Optical Power(dBm)</td><td>-18.602</td></tr><tr><td>Tx Optical Power(dBm)</td><td>2.316</td></tr><tr><td>Laser Bias Current(mA)</td><td>13.872</td></tr><tr><td>Temperature(C)</td><td>41.52</td></tr><tr><td>CATV Rx optical Power(dBm)</td><td>N/A</td></tr><tr><td>CATV Output optical Power(dBmV)</td><td>N/A</td></tr></table> Refresh	Voltage(V)	3.32	Rx Optical Power(dBm)	-18.602	Tx Optical Power(dBm)	2.316	Laser Bias Current(mA)	13.872	Temperature(C)	41.52	CATV Rx optical Power(dBm)	N/A	CATV Output optical Power(dBmV)	N/A
Voltage(V)	3.32														
Rx Optical Power(dBm)	-18.602														
Tx Optical Power(dBm)	2.316														
Laser Bias Current(mA)	13.872														
Temperature(C)	41.52														
CATV Rx optical Power(dBm)	N/A														
CATV Output optical Power(dBmV)	N/A														

Figure 1-10

1.3.4 Port Status

- 1.Click Monitor->ONT information->ONT Status->Detail->Port Status
2. This page displays ONT's Ethernet port operation state and link state, etc.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

Port gpon0/2/2 ONT 3 Information

Back To ONT List

Overview

Capability

Optical

Port Status

Statistics

Mac Address

Multicast Group

Ethernet Port Status

Port	Operation	Link
1	enable	Link Down

CATV Port Status

Port	Operation
------	-----------

POTS Port Status

Port	VOIP Register Status	VOIP Register IP Address
------	----------------------	--------------------------

Refresh

Figure 1-11

1.3.5 Statistics

- 1.Click Monitor->ONT information->ONT Status->Detail->Statistics
2. This page displays ONT's Ethernet and GEM traffic statistics.

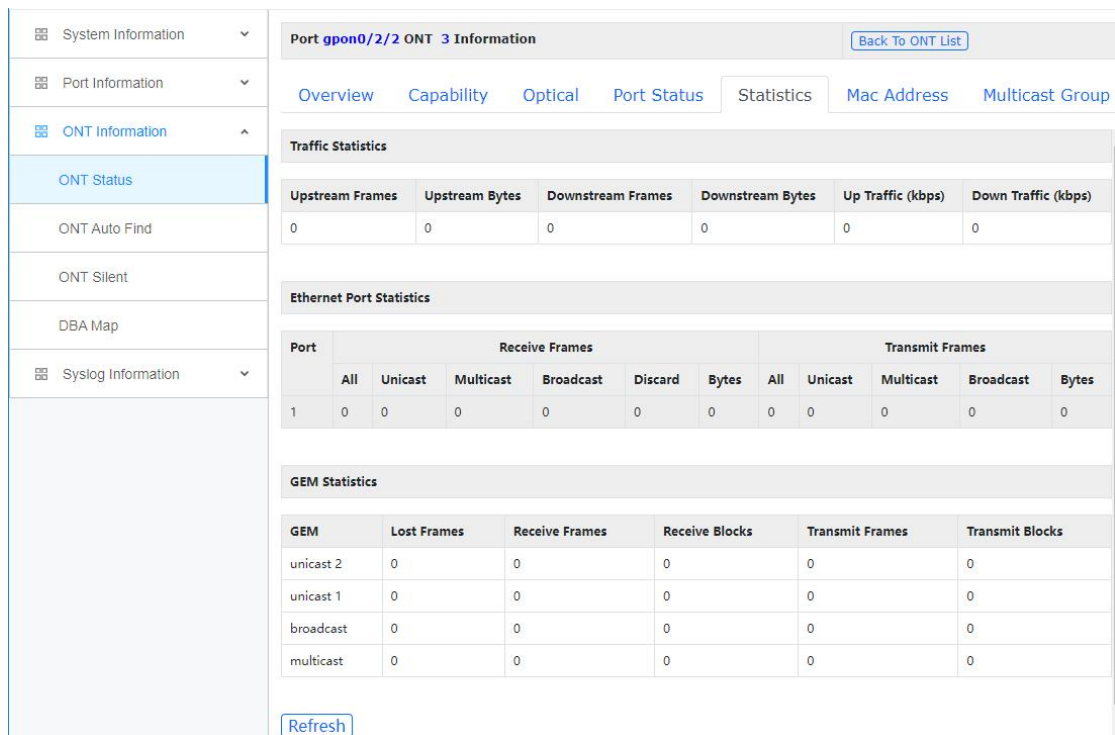


Figure 1-12

1.3.6 MAC Address

1. Click Monitor->ONT information->ONT Status->Detail->Mac Address
2. This page displays ONT's MAC address learned by ONT.

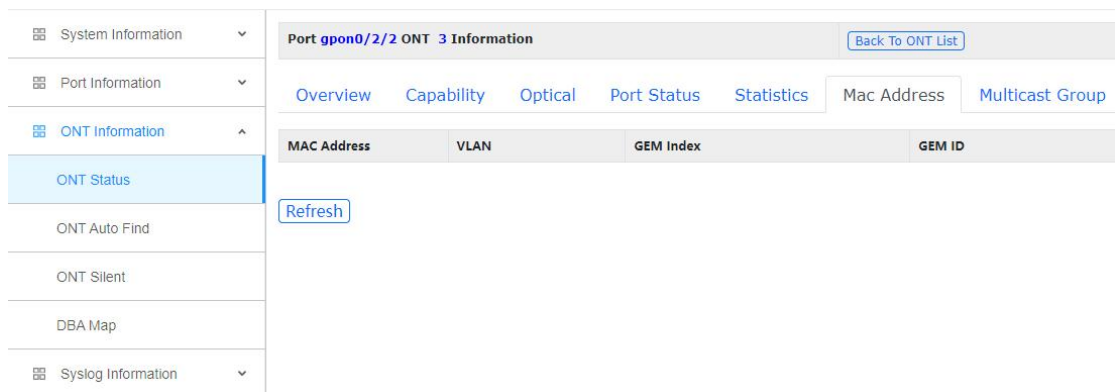


Figure 1-13

1.3.7 Multicast Group

1. Click Monitor->ONT information->ONT Status->Detail->Multicast Group
2. This page displays ONT's multicast group learned by ONT.

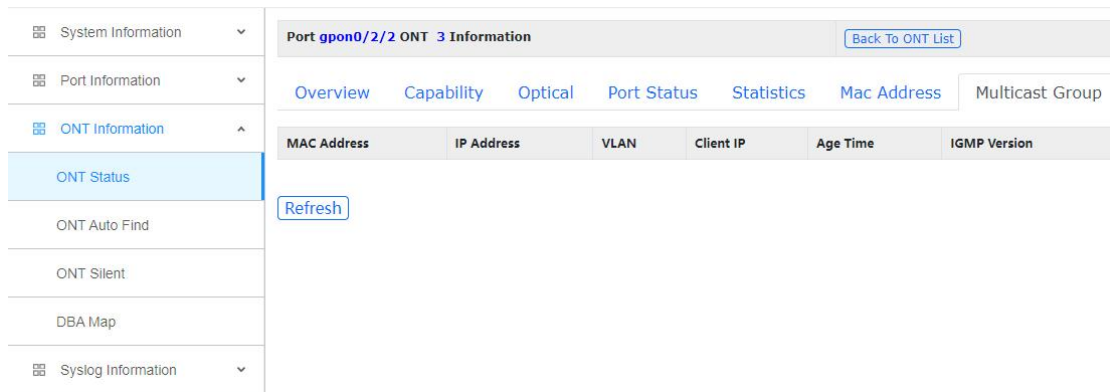


Figure 1-14

1.4 ONT Optical

- 1.ClickMonitor->ONTinformation->ONT Optical
- 2.This page displays the optical power information of the registered ONT.

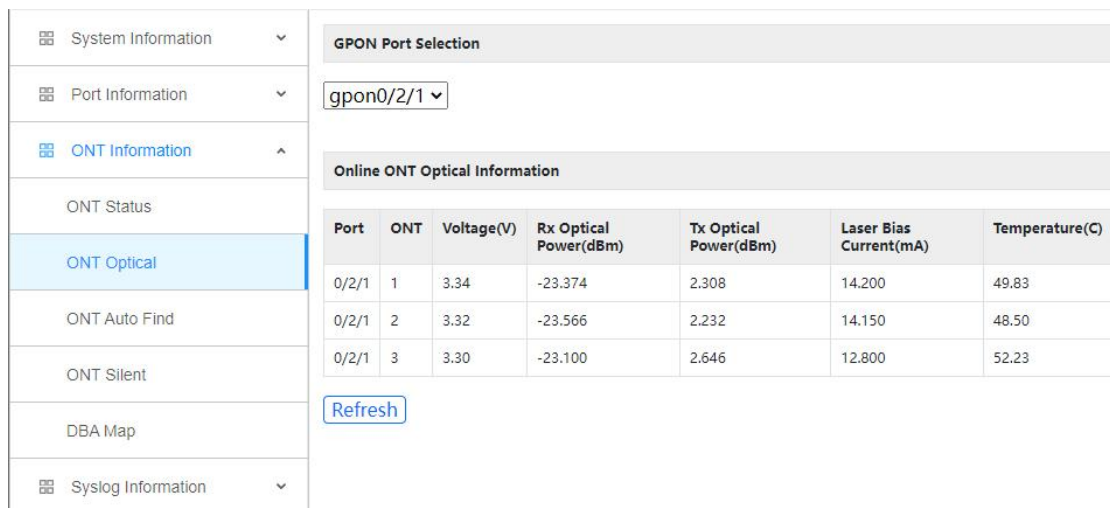


Figure1-15

1.5 ONT Auto Find

- 1.Click Monitor->ONT information->ONT Auto Find
2. This page displays information about ONTs that have failed authentication.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

GPON Port Selection

gpon0/2/2

ONT Auto Find List

Port	Index	Serial Number	Equipment ID	Last Find Time	Find Count	Detail
0/2/2	0	GPTF-00ed6885	MONUV691	2000/02/27 03:21:11	3	Detail

Refresh

Figure 1-16

1.5.1 ONT Auto Find Detail Information

- 1.Click Monitor->ONT information->ONT Auto Find->Detail
2. This page displays ONT's auto find detail information by find list index.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

Port gpon0/2/2 Index 0 Auto Find Information

Back To List

Serial Number	GPTF-00ed6885
Password	1234567890
LOID	123456789
Check Code	N/A
Vendor ID	MONU
Main Software Version	V1.0.1
Firmware Version	V5.2
Equipment ID	MONUV691
Unregistered Reason	AUTH_PARAM_NOT_MATCH
First Find Time	2000/02/27 03:20:27
Last Find Time	2000/02/27 03:22:17
Find Count	6

Refresh

Figure 1-17

1.6 ONT Silent

- 1.Click Monitor->ONT information->ONT Silent
2. This page displays the ONU's configuration of failed authentication silent and offline silent.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

GPON Port Selection

gpon0/2/2

ONT Silent List

Port	Index	Serial Number	Expire Time	Reason
0/2/2	0	GPTF-00ed6885	5	auth-fail

Refresh

Figure1-18

1.7 DBA Map

- 1.Click Monitor->ONT information->DBA Map
2. This page displays ONT DBA assignment information of GPON interface.

System Information

Port Information

ONT Information

ONT Status

ONT Auto Find

ONT Silent

DBA Map

Syslog Information

GPON Port Selection

gpon0/2/2

DBA Map Summary

Assign Success	Total Entries	Total Fixed Bandwidth (kbps)	Total Assured Bandwidth (kbps)
1	0	0	0

DBA Map List

Port	ONT	T-CONT Index	DBA Index	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Max Bandwidth (kbps)	Assign
gpon0/2/2	3	1	0	0	0	10240	success

Refresh

Figure 1-19

1.8 Syslog Information

- 1.Click Monitor->Syslog Information
2. This page displays the system log. The log records up to 10,000 entries, and it will be automatically overwritten when exceeded.

System Information Device Information Port Information ONT Information Syslog Information	Syslog Log Information Refresh <table> <tr> <th>Index</th><th>Log Information</th></tr> <tr> <td>1</td><td>00:37:15: %CMDLINE-6-COMMAND: (0) admin: display dba-map interface gpon 2/2</td></tr> <tr> <td>2</td><td>00:37:02: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all</td></tr> <tr> <td>3</td><td>00:28:26: %CMDLINE-6-COMMAND: (0) admin: display version</td></tr> <tr> <td>4</td><td>00:27:20: %CMDLINE-6-COMMAND: (0) admin: display utilization interface</td></tr> <tr> <td>5</td><td>00:24:50: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all</td></tr> <tr> <td>6</td><td>00:24:06: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all</td></tr> <tr> <td>7</td><td>00:23:58: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all</td></tr> <tr> <td>8</td><td>00:23:42: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all</td></tr> <tr> <td>9</td><td>00:23:39: %CMDLINE-6-COMMAND: (0) admin: ont auto-config</td></tr> <tr> <td>10</td><td>00:23:01: %CMDLINE-6-COMMAND: (0) admin: display version</td></tr> <tr> <td>11</td><td>00:06:20: %CMDLINE-6-COMMAND: (0) admin: display dba-profile bound-info all</td></tr> <tr> <td>12</td><td>00:06:05: %CMDLINE-6-COMMAND: (0) admin: display current-config</td></tr> </table>	Index	Log Information	1	00:37:15: %CMDLINE-6-COMMAND: (0) admin: display dba-map interface gpon 2/2	2	00:37:02: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all	3	00:28:26: %CMDLINE-6-COMMAND: (0) admin: display version	4	00:27:20: %CMDLINE-6-COMMAND: (0) admin: display utilization interface	5	00:24:50: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all	6	00:24:06: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all	7	00:23:58: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all	8	00:23:42: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all	9	00:23:39: %CMDLINE-6-COMMAND: (0) admin: ont auto-config	10	00:23:01: %CMDLINE-6-COMMAND: (0) admin: display version	11	00:06:20: %CMDLINE-6-COMMAND: (0) admin: display dba-profile bound-info all	12	00:06:05: %CMDLINE-6-COMMAND: (0) admin: display current-config
Index	Log Information																										
1	00:37:15: %CMDLINE-6-COMMAND: (0) admin: display dba-map interface gpon 2/2																										
2	00:37:02: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all																										
3	00:28:26: %CMDLINE-6-COMMAND: (0) admin: display version																										
4	00:27:20: %CMDLINE-6-COMMAND: (0) admin: display utilization interface																										
5	00:24:50: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all																										
6	00:24:06: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all																										
7	00:23:58: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all																										
8	00:23:42: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all																										
9	00:23:39: %CMDLINE-6-COMMAND: (0) admin: ont auto-config																										
10	00:23:01: %CMDLINE-6-COMMAND: (0) admin: display version																										
11	00:06:20: %CMDLINE-6-COMMAND: (0) admin: display dba-profile bound-info all																										
12	00:06:05: %CMDLINE-6-COMMAND: (0) admin: display current-config																										

Figure 1-20

Chapter 2 System Management

System OEM information modification and user management, etc.

2.1 System Information

- 1.Click Config->System Management->System Information Settings
- 2.This page is configure and display the system information of OLT.

System Management

System Information

Web Timeout

User Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

System Information Settings

System Description	GPON OLT
System Object ID	1.3.6.1.4.1.8888.1.3.34.1
System Port Quantity	16
System Startup Time	48 minute 50 second 89 tick
System Name	
System Location	
System Contact	
Product Description	G08 GPON Product

RefreshModify

Figure 2-1

2.2 Web Timeout

- 1.Click Config->System Management->Web Timeout
- 2. This page configures the web timeout time, which can be 5, 10, 15 and 20 minutes.

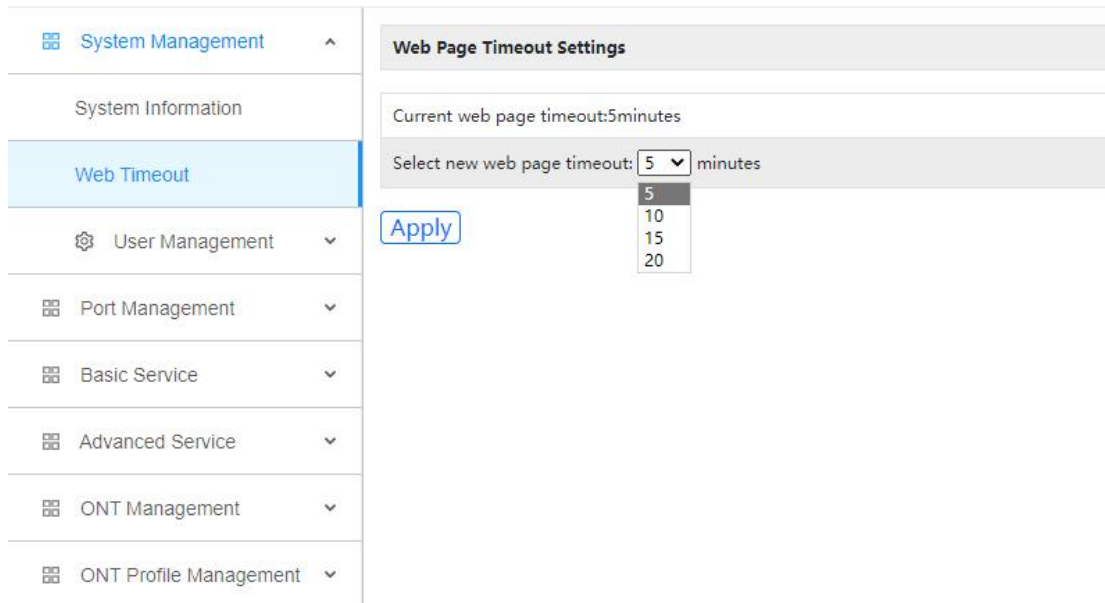


Figure 2-2

2.3 User Management

User management is used to modify, add and delete new users. The system administrator account cannot be deleted, and the user administrator account cannot modify user permissions, and cannot add user accounts.

2.3.1 User Overview

1. Click Config->System Management->User Management->User Overview
2. This page displays all the accounts and privilege of the device.

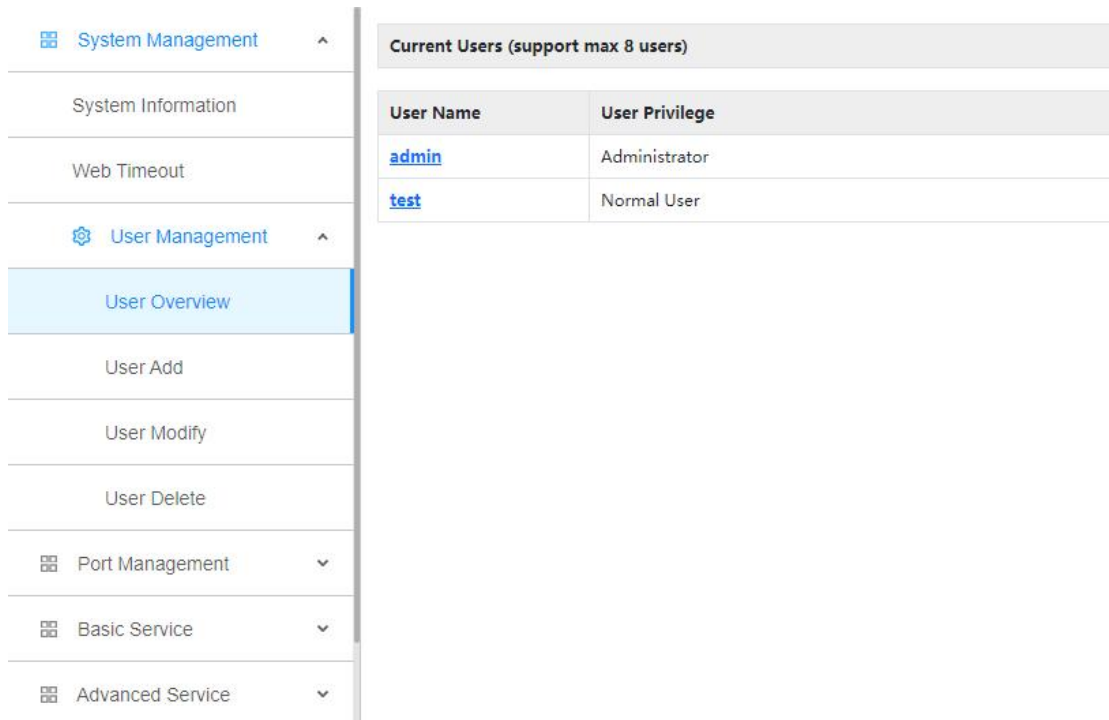


Figure 2-3

2.3.2 User Add

- 1.Click Config->System Management->User Management->User Add
- 2.This page is used to add user account and password.

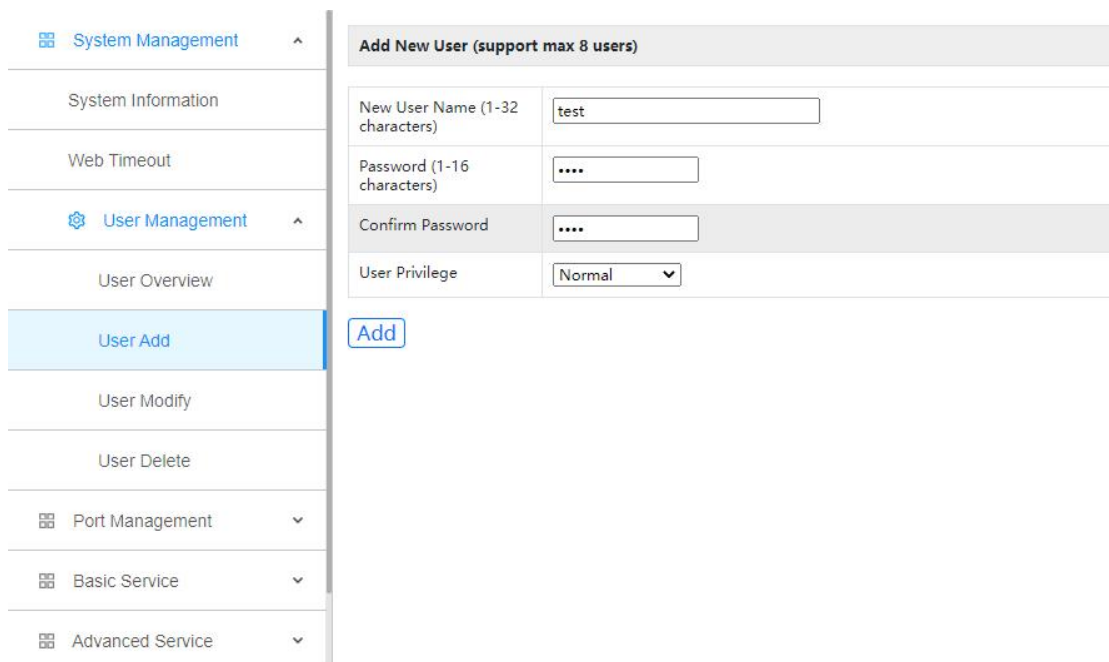


Figure2-4

2.3.3 User Modify

- 1.Click Config->System Management->User Management->User Modify
- 2.This page is used to modify user password and user privilege. The admin account privilege cannot be modified. Only the admin account can modify the privilege of other users.

Modify User	
User Name	test
New Password (1-16 characters)	
Confirm Password	
User Privilege	Normal

Modify

Figure 2-5

2.3.4 User Delete

- 1.Click Config->System Management->User Management->User Delete
2. This page is used to delete user accounts. Only admin user can perform this operation.

Delete Exist User	
Select User To Delete	admin

Refresh Delete

Figure 2-6

Chapter 3 Port Management

Port management configures port mirror, port isolation, storm control and bandwidth control.

3.1 Basic Configuration

1. Click Config->Port Management->Basic Configuration
2. This page configures the OLT port status, priority, rate, MTU, and port description information.

System Management	Port Basic Settings							
Port Management	Port	Status	Link	Priority	Set speed	Actual speed	MTU	Port Description (0-128 chars)
Basic Configuration	gpon0/2/2	enable	up	0	full-2.5g	full-2.5G	16356	
Port Mirror	Refresh Modify							
Port Isolation	e0/0/1	enabled	down	0	auto	unknown	16356	
Storm Control	e0/0/2	enabled	down	0	auto	unknown	16356	
Bandwidth Control	e0/0/3	enabled	down	0	auto	unknown	16356	
Basic Service	e0/0/4	enabled	down	0	auto	unknown	16356	
Advanced Service	e0/1/1	enabled	down	0	full-10g	unknown	16356	
ONT Management	e0/1/2	enabled	down	0	full-10g	unknown	16356	
ONT Profile Management	e0/1/3	enabled	down	0	full-10g	unknown	16356	
	e0/1/4	enabled	down	0	full-10g	unknown	16356	
	gpon0/2/1	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/2	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/3	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/4	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/5	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/6	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/7	enabled	up	0	full-2.5g	full-2.5g	16356	
	gpon0/2/8	enabled	up	0	full-2.5g	full-2.5g	16356	

Figure 3-1

3.2 Port Mirror

1. Click Config->Port Management->Port Mirror
2. This page configures the port mirror function.

System Management

Port Management

Basic Configuration

Port Mirror

Port Isolation

Storm Control

Bandwidth Control

Basic Service

Advanced Service

ONT Management

ONT Profile Management

Mirror Destination Port

Mirror Destination Port e0/0/4

Mirror Source Port

Port	Mirrored	Direction
e0/0/1	☒	Both
e0/0/2	☒	Both
e0/0/3	☐	Both
e0/0/4	☐	Both
e0/1/1	☐	Both
e0/1/2	☐	Both
e0/1/3	☐	Both
e0/1/4	☐	Both
gpon0/2/1	☐	Both
gpon0/2/2	☐	Both
gpon0/2/3	☐	Both
gpon0/2/4	☐	Both
gpon0/2/5	☐	Both
gpon0/2/6	☐	Both
gpon0/2/7	☐	Both
gpon0/2/8	☐	Both

Apply

Cancel

Figure 3-2

3.3 Port Isolation

- 1.Click Config->Port Management->Port Isolation
2. This page configures the port isolation function. The ports in the isolation group are isolated from each other and can only communicate with the uplink port, cannot communicate with other ports.

System Management	Port Isolation
Port Management	Group ID
Basic Configuration	Port List(such as e0/0/1-e0/0/2,e0/0/4,e0/1/1)
Port Mirror	1
Port Isolation	2
Storm Control	3
Bandwidth Control	4
Basic Service	5
Advanced Service	6
ONT Management	7
ONT Profile Management	8

Figure 3-3

3.4 Storm Control

- 1.Click Config->Port Management->Storm Control
2. This page configures the storm control function, packets exceeding the configured speed will be discarded

System Management	Storm Control
Port Management	Port
Basic Configuration	Broadcast(unit:pps)
Port Mirror	Multicast(unit:pps)
Port Isolation	Unicast(unit:pps)
Storm Control	
Bandwidth Control	
Basic Service	
Advanced Service	
ONT Management	
ONT Profile Management	

Figure 3-4

3.5 Bandwidth Control

1. Click Config->Port Management->Bandwidth Control
2. This page configures the ingress and egress rate of the OLT port, and the bandwidth is limited to an integer multiple of 64

System Management

Port Management

Basic Configuration

Port Mirror

Port Isolation

Storm Control

Bandwidth Control

Basic Service

Advanced Service

Bandwidth Control

Port	Ingress Rate	Egress Rate
e0/0/1	1024 kbps	kbps
e0/0/2	kbps	kbps
e0/0/3	kbps	kbps
e0/0/4	kbps	kbps
e0/1/1	kbps	kbps
e0/1/2	kbps	kbps
e0/1/3	kbps	kbps
e0/1/4	kbps	kbps

Refresh Apply Cancel

Figure 3-5

Chapter 4 Basic Service

Basic services include VLAN, management IP, Layer 2 multicast, STP, LACP and other functions.

4.1 VLAN Configuration

VLAN configuration can create VLANs and bind ports

4.1.1 Static VLAN

1. Click Config->Basic Service->VLAN Configuration->Static VLAN
2. This page can add, modify, delete, and add description information for VLANs.

VLAN	Status	Member Ports	Static Tag Ports	Static Untag Ports	Dynamic Tag Ports
1	static				
100	static	e0/0/1-e0/0/4,gpon0/2/1-gpon0/2/8	gpon0/2/1-gpon0/2/8	e0/0/1-e0/0/4	
200	static	e0/1/1-e0/1/4,gpon0/2/1-gpon0/2/8	gpon0/2/1-gpon0/2/8	e0/1/1-e0/1/4	

Figure 4-1

4.1.2 VLAN Port

1. Click Config->Basic Service->VLAN Configuration->VLAN Port
2. This page configures the default VLAN and mode of the port.

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

DHCP Configuration

Advanced Service

ONT Management

ONT Profile Management

Port VLAN Settings

Port

e0/0/1

PVID(1-4094)

100

Mode

hybrid

Tag VLAN(8,9,11-15)

Untag VLAN(8,9,11-15)

100

Refresh

Modify

Port VLAN Information

Port	PVID(1-4094)	Mode	Tag Vlan List	Utag Vlan List
e0/0/1	100	hybrid		100
e0/0/2	100	hybrid		100
e0/0/3	100	hybrid		100
e0/0/4	100	hybrid		100
e0/1/1	200	hybrid		200
e0/1/2	200	hybrid		200
e0/1/3	200	hybrid		200
e0/1/4	200	hybrid		200
gpon0/2/1	200	hybrid	100,200	
gpon0/2/2	200	hybrid	100,200	
gpon0/2/3	200	hybrid	100,200	
gpon0/2/4	200	hybrid	100,200	
gpon0/2/5	200	hybrid	100,200	

Figure 4-2

4.2 IP and Route Configuration

IP and route configuration include VLAN interface and static route.

4.2.1 MGMT IP Configuration

- 1.Click Config->Basic Service->IP and Route Configuration->MGMT IP Configuration
2. This page configures the management IP of the OLT. The default management IP is 192.168.168.1.

System Management	MGMT IP Address Configuration
Port Management	IP Address: 192.168.168.1
Basic Service	Mask: 255.255.255.0
VLAN Configuration	Refresh Config
Static VLAN	
VLAN Port	
IP and Route Config...	
MGMT IP Configuration	

Figure 4-3

4.2.2 VLAN IP Configuration

1. Click Config->Basic Service->IP and Route Configuration->VLAN IP Configuration
2. This page can add, modify and delete VLAN interface.

System Management	VLAN IP
Port Management	Interface Name: IF-100
Basic Service	VLAN ID: 100
VLAN Configuration	IP address: 10.1.1.50
Static VLAN	Subnet mask: 255.255.255.0
VLAN Port	Refresh New Apply Delete
IP and Route Config...	
MGMT IP Configuration	
VLAN IP Configuration	
Static Route Configuration	
Multicast	

Figure 4-4

4.2.3 Static Route Configuration

1. Click Config->Basic Service->IP and Route Configuration->Static Route Configuration
2. This page displays, adds and deletes static routes.

Static Route

Destination IP

Subnet mask

Nexthop

[Add](#)

Static Route Table

DestIP	Subnet mask	Nexthop	Operation
Refresh			

Figure 4-5

4.3 Multicast

4.3.1 Multicast Configuration

- 1.Click Config->Basic Service->Multicast->Multicast Configuration
- 2.This page can add, modify and delete static multicast groups.

Multicast Add And Delete

VLAN MAC Address Port(such as e0/0/1-e0/0/2,e0/0/4,e0/1/1)

[Refresh](#) [Add](#) [Delete](#)

Multicast Information

VLAN	MAC	Static Ports	IGMP Ports	Dynamic Ports	Delete
------	-----	--------------	------------	---------------	--------

Figure 4-6

4.3.2 IGMP Configuration

- 1.Click Config->Basic Service->Multicast->IGMP Configuration
- 2.This page configures IGMP snooping.

System Management	Igmp-snooping Enable	enable
Port Management	Apply	
Basic Service	Advance Settings	
VLAN Configuration	IGMP-Snooping Report-suppression	enable
Static VLAN	Max Response Time (1-100 seconds)	10
VLAN Port	Host Aging Time (10-1000000 seconds)	300
IP and Route Config...	IGMP-Snooping Route-port Forward	disable
MGMT IP Configuration	Router Port Timeout (10-1000000 seconds)	300
VLAN IP Configuration	Router Port Age	enable
Static Route Configuration	Denied VLAN	Add Delete (VLAN ID range : 1~4094,input vlan list such as 8,9,11-15)
Multicast	Denied VLAN List	
Multicast Configuration	Default Group Policy	permit
IGMP Configuration	IGMP-Snooping Querier	disable
STP Configuration	Querier VLAN	Add Delete (VLAN ID range : 1~4094,input vlan list such as 8,9,11-15)
LACP Configuration	Querier VLAN List	1
MAC Configuration	Querier Source IP	1.1.1.1
SNMP Configuration	Max Query Respond Time (1-25 seconds)	10
DHCP Configuration	Query Interval (1-30000 seconds)	60
	Igmp Version	2
	Refresh Modify	

Figure 4-7

4.4 STP Configuration

STP (Spanning Tree Protocol) is a part of the IEEE 802.1D bridge protocol. The standard STP implementation can eliminate network broadcast storms caused by network cyclic connections, eliminate cyclic connections caused by mistakes or accidents, and also provide network services. Possibility of backup connection.

4.4.1 Global Configuration

1. Click Config->Basic Service->Stp Configuration->Global Configuration
2. This page configures the global STP and displays STP status.

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

Multicast

Multicast Configuration

IGMP Configuration

STP Configuration

Global Configuration

Port Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

Global STP Settings

STP State

enable

Apply

Bridge Settings

Priority (0-61440, in steps of 4096)

32768

Hello Time (1-10 sec.)

2

Forward Delay (4-30 sec.)

15

Max Age (6-40 sec.)

20

Modify

STP Status

Bridge ID

32768 00:88:88:55:66:77

Root Bridge ID

32768 00:88:88:55:66:77

Root Port

0

Path Cost To Root Bridge

0

STP Topology Changes Count

0

Notes: $2 * (\text{Forward Delay} - 1) \geq \text{Max Age} \geq 2 * (\text{Hello Time} + 1)$

Refresh

Figure 4-8

4.4.2 Port Configuration

1. Click Config->Basic Service->STP Configuration->Port Configuration
2. This page configures the STP status, path cost, and priority. The priority of the port must be an integer multiple of 16.

System Management	Port STP Settings					
Port Management	Port	STP State	Port Role	Path Cost (1-200000000)	Priority (0-240)	Port State
Basic Service	gpon0/2/2	disable	disabledPort	200000	128	forwarding
VLAN Configuration	Refresh Modify					
Static VLAN	e0/0/1	enable	designatedPort	200000	128	DOWN
VLAN Port	e0/0/2	enable	designatedPort	200000	128	DOWN
IP and Route Config...	e0/0/3	enable	designatedPort	200000	128	DOWN
Multicast	e0/0/4	enable	designatedPort	200000	128	DOWN
Multicast Configuration	e0/1/1	enable	designatedPort	200000	128	DOWN
IGMP Configuration	e0/1/2	enable	designatedPort	200000	128	DOWN
STP Configuration	e0/1/3	enable	designatedPort	200000	128	DOWN
Global Configuration	e0/1/4	enable	designatedPort	200000	128	DOWN
Port Configuration	gpon0/2/1	disable	disabledPort	200000	128	forwarding
LACP Configuration	gpon0/2/2	disable	disabledPort	200000	128	forwarding
	gpon0/2/3	disable	disabledPort	200000	128	forwarding
	gpon0/2/4	disable	disabledPort	200000	128	forwarding
	gpon0/2/5	disable	disabledPort	200000	128	forwarding
	gpon0/2/6	disable	disabledPort	200000	128	forwarding
	gpon0/2/7	disable	disabledPort	200000	128	forwarding
	gpon0/2/8	disable	disabledPort	200000	128	forwarding

Figure 4-9

4.5 LACP Configuration

LACP is the aggregation of multiple ports together to form an aggregation group to achieve traffic load sharing among member ports. When a link is unavailable, the link traffic will automatically switch to another link to ensure uninterrupted business traffic. An aggregation group is like a port.

4.5.1 Status Display

1. Click Config->Basic Service->LACP Configuration->Status Display
2. This page displays LACP configuration information.

System Management	Link Aggregation Status
Port Management	Criteria src-mac
Basic Service	
VLAN Configuration	
Static VLAN	
VLAN Port	
IP and Route Config...	
Multicast	
STP Configuration	
LACP Configuration	
Status Display	

Figure 4-10

4.5.2 LACP Configuration

- 1.Click Config->Basic Service->LACP Configuration->LACP Configuration
2. This page configures LACP. Only ports with the same VLAN can be configured in the same group.

System Management	Link Aggregation Settings
Port Management	Criteria src-mac
Basic Service	Apply
VLAN Configuration	
Static VLAN	
VLAN Port	
IP and Route Config...	
Multicast	
STP Configuration	
LACP Configuration	
Status Display	
LACP Configuration	

Figure 4-11

4.5.3 Protocol Control

1. Click Config->Basic Service->LACP Configuration->Protocol Control
2. This page activates the LACP group and configures the port priority.

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

Status Display

LACP Configuration

Protocol Control

MAC Configuration

SNMP Configuration

DHCP Configuration

Advanced Service

ONT Management

Link Aggregation Control Protocol

System Priority

32768

Group ID	LACP Active
T0	☒
T1	☐
T2	☐
T3	☐
T4	☐
T5	☐
T6	☐
T7	☐

Port	Port Priority
*	
e0/0/1	128
e0/0/2	128
e0/0/3	128
e0/0/4	128
e0/1/1	128
e0/1/2	128
e0/1/3	128
e0/1/4	128
gpon0/2/1	128

Figure 4-12

4.6 MAC Configuration

MAC configuration is used to add and delete port-MAC bind.

4.6.1 Port Binding Display

1. Click Config->Basic Service->MAC Configuration->Port Binding Display
2. This page displays port-MAC binding status information.

System Management	Port-MAC Binding Outline			
Port Management	Port	Port-MAC Binding	Port	Port-MAC Binding
Basic Service	e0/0/1	disable	e0/0/2	disable
VLAN Configuration	e0/0/3	disable	e0/0/4	disable
Static VLAN	e0/1/1	disable	e0/1/2	disable
VLAN Port	e0/1/3	disable	e0/1/4	disable
IP and Route Config...	gpon0/2/1	disable	gpon0/2/2	disable
Multicast	gpon0/2/3	disable	gpon0/2/4	disable
STP Configuration	gpon0/2/5	disable	gpon0/2/6	disable
LACP Configuration	gpon0/2/7	disable	gpon0/2/8	disable
Status Display				
LACP Configuration				
Protocol Control				
MAC Configuration				
Port Binding Display				

Figure 4-13

4.6.2 Port Binding Configuration

1. Click Config->Basic Service->MAC Configuration->Port Binding Configuration
2. This page can configure port-MAC binding

Figure 4-14

4.7 SNMP Configuration

SNMP (Simple Network Management Protocol) is a network management standard based on the TCP/IP protocol suite, and is a standard protocol for managing network nodes in an IP network.

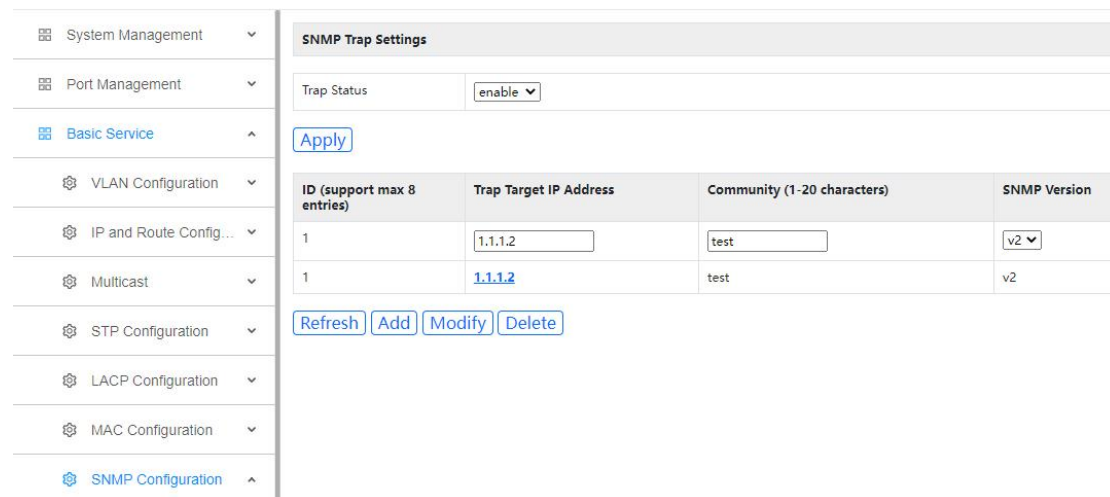
4.7.1 Commutity Configuration

1. Click Config->Basic Service->MAC Configuration->Port Binding Configuration
2. This page configures the SNMP community name (the default is iso).

Figure 4-15

4.7.2 Trap Configuration

- 1.Click Config->Basic Service->SNMP Configuration->Trap Configuration
- 2.This page configures the Trap.



The image shows the 'SNMP Trap Settings' configuration page. On the left is a sidebar menu with categories: System Management, Port Management, Basic Service (expanded), VLAN Configuration, IP and Route Configuration, Multicast, STP Configuration, LACP Configuration, MAC Configuration, and SNMP Configuration (expanded). The main content area is titled 'SNMP Trap Settings'. It includes a 'Trap Status' section with a dropdown menu set to 'enable' and an 'Apply' button. Below this is a table with four columns: 'ID (support max 8 entries)', 'Trap Target IP Address', 'Community (1-20 characters)', and 'SNMP Version'. The table contains two rows of data. The first row has ID '1', IP '1.1.1.2', community 'test', and version 'v2'. The second row has ID '1', IP '1.1.1.2', community 'test', and version 'v2'. At the bottom of the table are four buttons: 'Refresh', 'Add', 'Modify', and 'Delete'.

ID (support max 8 entries)	Trap Target IP Address	Community (1-20 characters)	SNMP Version
1	1.1.1.2	test	v2
1	1.1.1.2	test	v2

Figure 4-16

4.8 DHCP Configuration

4.8.1 DHCP Snooping

- 1.Click Config->Basic Service->DHCP Configuration->DHCP Snooping->DHCP snooping Setting
- 2.This page configures DHCP snooping, option82, trust port, etc. After enabling DHCP snooping, the trust port must be configured.

VLAN Port

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

Status Display

LACP Configuration

Protocol Control

MAC Configuration

Port Binding Dispaly

Port Binding Configuration

SNMP Configuration

Communtity Configuration

Trap Configuration

DHCP Configuration

DHCP Snooping

DHCP Snooping Trust Port Settings

Dhcp-snooping Enable

enable

Option82 Control

enable

Refresh

Modify

Port	Trust
e0/0/1	☒
e0/0/2	☒
e0/0/3	☐
e0/0/4	☐
e0/1/1	☐
e0/1/2	☐
e0/1/3	☐
e0/1/4	☐
gpon0/2/1	☐
gpon0/2/2	☐
gpon0/2/3	☐
gpon0/2/4	☐
gpon0/2/5	☐
gpon0/2/6	☐
gpon0/2/7	☐
gpon0/2/8	☐

Refresh

Apply

Figure 4-17

4.8.2 IP-MacBinding

- 1.Click Config->Basic Service->DHCP Configuration->IP-Mac Binding
2. This page configures the IP and MAC binding function, this function needs to be used with DHCP snooping.

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

Community Configuration

Trap Configuration

DHCP Configuration

DHCP Snooping

IP-Mac Binding

DHCP Server & Relay

System Security Settings

Disable Unbinding Entry To Access Network

Modify

Add IP-MAC-PORT-VLAN Binding Entry

IP Address

MAC Address (H:H:H:H:H:H)

Port

e0/0/1

VLAN ID

Add

Binding Table

One Click Binding

One Click Unbinding

IP Address	MAC Address	Port	VLAN ID	Binding Status	Delete
20.1.1.1	00:00:00:00:00:11	e0/0/2	100	YES	Delete

Refresh

Figure 4-18

4.8.3 DHCP Server&Relay

- 1.Click Config->Basic Service->DHCP configuration->DHCP Server&Relay
- 2.This page configures DHCP server and relay.

Protocol Control

MAC Configuration

Port Binding Dispay

Port Binding Configuration

SNMP Configuration

Community Configuration

Trap Configuration

DHCP Configuration

DHCP Snooping

IP-Mac Binding

DHCP Server & Relay

Advanced Service

DHCP Server configuration

Server Select

New...

GROUP ID

Server IP

Refresh

New

Apply

Delete

DHCP-Server Binding

VLAN Interface ID

IF-100

DHCP-Server Group ID

-

Bind

DeBind

DHCP Relay configuration

DHCP-Relay Enable

disable

Apply

Figure 4-19

Chapter 5 Advance Service

Advanced services include configuration of system time and time server.

5.1 System Time

- 1.Click Config->Advance Service->System Time
2. This page configures the system time and time zone, you can synchronize the local computer time

System Management Port Management Basic Service Advanced Service System Time DNS Client SNTP Access List ONT Management ONT Profile Management	System Clock Setting Current System Time Sun 2000/02/27 05:43:31 UTC +08:00 New Date 2021/1/1 Get From PC New Time 13:55:53 Get From PC Config Refresh Timezone Setting Select Timezone (UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi Config Refresh
--	---

Figure 5-1

5.2 DNSClient

- 1.Click Config->Advance Service->DNSClient
2. This page configures the IP and domain name of the time server (need to be configured in unicast mode)。

System Management	DNS Client Configure Name Server IP Address: 0.0.0.0 Config Domain Name Lookup Domain Name: IP Address: Lookup
System Information	
Web Timeout	
User Management	
Port Management	
Basic Service	
Advance Service	
System Time	
DNS Client	
SNTP	

Figure 5-2

5.3 SNTP

- 1.Click Config->Advance Service->SNTP
- 2.This page configures the SNTP.

System Management	SNTP Client Client Enable: ☒ Client Mode: multicast Refresh Apply Valid Server List Any server will be accepted if empty configuration. <table border="1"> <thead> <tr> <th>Server IP</th> <th>Mask</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table> Add Del DelAll	Server IP	Mask		
Server IP		Mask			
Port Management					
Basic Service					
Advanced Service					
System Time					
DNS Client					
SNTP					
Access List					

Figure 5-3

5.4 Access List

5.4.1 Classifier

- 1.Click Config->Advance Service->Access List->Classifier
- 2.This page configures the ACLClassifier.

System Management

Port Management

Basic Service

Advanced Service

System Time

DNS Client

SNTP

Access List

Classifier

Policy

ONT Management

ONT Profile Management

Named ACL Classifier

Active

Name

Layer 2

VLAN

Priority

Ethernet Type

Source

Destination

Any

Any

All

MAC Address

Physical Port

MAC Address

Physical Port

Layer 3/4

DSCP

IP Protocol

Source

Destination

Any

All

IP Address / Address Prefix

L4 Port Number

IP Address / Address Prefix

L4 Port Number

Add

Modify

Cancel

Refresh

Index	Active	Name:SubItem	Rule

Delete

Cancel

Figure 5-4

5.4.2 Policy

- 1.Click Config->Advance Service->Access List->Policy
- 2.This page configures the ACLPolicy.

System Management

Port Management

Basic Service

Advanced Service

System Time

DNS Client

SNTP

Access List

Classifier

Policy

ONT Management

ONT Profile Management

Named ACL Policy

Active

Name

Classifier(s)

Parameters

General

Rate Limit

Egress Port

Priority

DSCP

TOS

Bandwidth

Action

Forwarding

Priority

Diffserv

Outgoing

Rate Limit

No change

Discard the packet

No change

Set the packet's 802.1p priority and send the packet to priority queue

No change

Set the packet's TOS field

Set the Diffserv Codepoint field in the frame

Send the packet to the egress port

Enable

Add

Cancel

Refresh

Index	Active	Name	Classifier(s)

Delete

Cancel

Figure 5-5

Chapter 6 ONT Management

6.1 Auto Find

- 1.Click Config->ONT Management->ONT Find
2. This page configures the ONT auto find function.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

Auto Find

Auto Config

Silent

FEC

ONT Auto Find Configuration

Port	Auto Find	Interval(s)	List Age	Age Time(s)	Min Distance(km)	Max Distance(km)
gpon0/2/1	on	20	off	300	0	20
gpon0/2/2	on	20	off	300	0	20
gpon0/2/3	on	20	off	300	0	20
gpon0/2/4	on	20	off	300	0	20
gpon0/2/5	on	20	off	300	0	20
gpon0/2/6	on	20	off	300	0	20
gpon0/2/7	on	20	off	300	0	20
gpon0/2/8	on	20	off	300	0	20

Apply Reset

Figure 6-1

6.2 Auto Config

- 1.Click Config->ONT Management->Auto Config
2. This page configures the ONT auto create rule profile and registration.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

Auto Find

Auto Config

Silent

FEC

Deactive

Protect Switch

ONT Auto Configuration Global Switch

Global Switch on

Apply Reset

ONT Auto Configuration Operation

Index	Name	Equipment ID	Line Profile
0		all-ont	auto

Apply Reset

ONT Auto Configuration List

Index	Name	Equipment ID	Line Profile	Delete
1		all-ont	0	no

Delete Delete All

Figure 6-2

6.3 Silent

1. Click Config->ONT Management->Silent
2. This page configures the ONT silent function of failed authentication and offline.

System Management	ONT Silent Configuration
Port Management	
Basic Service	
Advanced Service	
ONT Management	
Auto Find	
Auto Config	
Silent	
FEC	

Port	Auth-Fail Switch	Auth-Fail Time(s)	Offline Switch	Offline Time(s)
gpon0/2/1	on	60	off	20
gpon0/2/2	on	5	on	30
gpon0/2/3	off	60	off	20
gpon0/2/4	off	60	off	20
gpon0/2/5	off	60	off	20
gpon0/2/6	off	60	off	20
gpon0/2/7	off	60	off	20
gpon0/2/8	off	60	off	20

Apply Reset

Figure 6-3

6.4 FEC

1. Click Config->ONT Management->FEC
2. This page configures the GPON port downstream FEC switch.

System Management	ONT FEC Configuration <table border="1"> <thead> <tr> <th>Port</th> <th>FEC</th> </tr> </thead> <tbody> <tr> <td>gpon0/2/1</td> <td>on ▼</td> </tr> <tr> <td>gpon0/2/2</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/3</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/4</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/5</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/6</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/7</td> <td>off ▼</td> </tr> <tr> <td>gpon0/2/8</td> <td>off ▼</td> </tr> </tbody> </table>	Port	FEC	gpon0/2/1	on ▼	gpon0/2/2	off ▼	gpon0/2/3	off ▼	gpon0/2/4	off ▼	gpon0/2/5	off ▼	gpon0/2/6	off ▼	gpon0/2/7	off ▼	gpon0/2/8	off ▼
Port		FEC																	
gpon0/2/1		on ▼																	
gpon0/2/2		off ▼																	
gpon0/2/3		off ▼																	
gpon0/2/4		off ▼																	
gpon0/2/5		off ▼																	
gpon0/2/6		off ▼																	
gpon0/2/7		off ▼																	
gpon0/2/8		off ▼																	
Port Management																			
Basic Service																			
Advanced Service																			
ONT Management																			
Auto Find																			
Auto Config																			
Silent																			
FEC	Apply Reset																		

Figure 6-4

6.5 Deactive

1. Click Config->ONT Management->Deactive
2. This page configures batch deactive the ONTs.

System Management	ONT Deactive <table border="1"> <tr> <td>ONT List</td> <td>2/1/1,2/3/1,2/6/1-2/8/8</td> </tr> <tr> <td colspan="2"> Active Deactive </td> </tr> <tr> <td colspan="2">ONT Deactive List</td> </tr> <tr> <td>ONT List</td> <td>2/1/1</td> </tr> <tr> <td colspan="2"> Refresh </td> </tr> </table>	ONT List	2/1/1,2/3/1,2/6/1-2/8/8	Active Deactive		ONT Deactive List		ONT List	2/1/1	Refresh	
ONT List		2/1/1,2/3/1,2/6/1-2/8/8									
Active Deactive											
ONT Deactive List											
ONT List		2/1/1									
Refresh											
Port Management											
Basic Service											
Advanced Service											
ONT Management											
Auto Find											

Figure 6-5

6.6 Protect Switch

1. Click Config->ONT Management->Protect Switch
2. This page configures pon protect function, and only support type B.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

Auto Find

Auto Config

Silent

FEC

Deactive

Protect Switch

Protect Switch Group Configure

Index	Work Port	Protect Port
0	gpon0/2/1	gpon0/2/1

Apply

Reset

Protect Switch Group Force Switch

Index

0

Apply

Reset

Protect Switch Group List

Index	Work Port	Work State	Protect Port	Protect State	Delete
0	gpon0/2/7	ACTIVE	gpon0/2/8	STANDBY	no

Refresh

Delete

Delete All

Figure 6-6

Chapter 7 ONT Profile Management

7.1 DBA Profile

1. Click Config->ONT Profile Management->DBA Profile
2. This page configures the DBA profile.

Profile ID	Profile Name	DBA Type	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Maximum Bandwidth (kbps)
0	default_index_0	4			10240
1	default_index_1	4			1200000

Figure 7-1

7.2 Upstream Profile

1. Click Config->ONT Profile Management->Upstream Profile
2. This page configures the upstream profile.

Profile ID	Profile Name	Parameter Active	CIR (kbps)	CBS (kbytes)	PIR (kbps)	PBS (kbytes)
0	default_index_0	Enable	64	2	64	2

Figure 7-2

7.3 Downstream Profile

1. Click Config->ONT Profile Management->Downstream Profile
2. This page configures the downstream profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

Downstream Profile Configuration

+

+

Apply

Cancel

☐	Profile ID	Profile Name	Parameter Active	CIR (kbps)	CBS (kbytes)	PIR (kbps)	PBS (kbytes)
☐	0	default_index_0	Enable	100000	268369	100000	268369

Figure 7-3

7.4 VLAN Profile

- 1.Click Config->ONTProfile Management->VLAN Profile
2. This page configures add, modify and delete VLAN profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

VLAN Profile Configuration

+

+

Apply

Cancel

☐	Profile ID	Profile Name	Detail
☐	0	default_index_0	
☐	1	default_index_1	
☐	2	default_index_2	

Figure 7-4

7.4.1VLAN Profile Configuration

- 1.Click Config->ONTProfile Management->VLAN Profile->Detail
2. This page configures the VLAN profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Rule Configuration for VLAN Profile [0]

+

+

↺

Goback

Apply

Cancel

☐	Rule ID	VLAN Action	Customer/Inner VLAN	Customer/Inner Priority	Service/Outer VLAN	Service/Outer Priority	Outer VLAN
☐	1	Translate	100		100		

Figure 7-5

7.5 Line Profile

- 1.Click Config->ONTProfile Management->Line Profile
2. This page configures add, modify and delete line profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Line Profile Configuration

+

+

↺

Apply

Cancel

☐	Profile ID	Profile Name	ONT Model	Mapping Mode	Qos Mode	FEC Status	Bind Alarm Profile	Bind Multicast Profile	Detail
☐	0	default_index_0	f0-s210 (common model for SFU)	VLAN	Priority Queue	Disable			
☐	1	default_index_1	f0-h210 (common model for HGU)	VLAN	Priority Queue	Disable			

Figure 7-6

7.5.1 T-CONT

- 1.Click Config->ONTProfile Management->Line Profile->Detail->T-CONT Configuration
2. This page configures the T-CONT and bind DBA profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

T-CONT Configuration for Line Profile [0]

GEM Port Configuration

Mapping Configuration

Flow Configuration

+

✎

✖

⊕

↺

Goback

Apply

Cancel

	T-CONT ID	Bind DBA Profile
☐	1	0

Figure 7-7

7.5.2 GEM Port Configuration

1.Click Config->ONTProfile Management->Line Profile->Detail->GEM Port Configuration 2.
This page configures the GEM port and bind T-CONT.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

T-CONT Configuration

GEM Port Configuration for Line Profile [0]

Mapping Configuration

Flow Configuration

+

✎

✖

⊕

↺

Goback

Apply

Cancel

	GEM Port ID	Bind T-CONT ID	Bind VLAN Profile	Bind Upstream Profile	Bind Downstream Profile
☐	1	1	0		

Figure 7-8

7.5.3 Mapping Configuration

1.Click Config->ONTProfile Management->Line Profile->Detail->Mapping Configuration
2. This page configures the GEM port mapping.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

T-CONT Configuration

GEM Port Configuration

Mapping Configuration for Line Profile [0]

Flow Configuration

+

Goback

Apply

Cancel

	Mapping ID	Mapping Port	Mapping VLAN	Mapping Priority	Mapping GEM Port
☐	1		100		1

Figure 7-9

7.5.4 Flow Configuration

- 1.Click Config->ONTProfile Management->Line Profile->Detail->Flow Configuration
2. This page configures the ONT Ethernet flow.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

T-CONT Configuration

GEM Port Configuration

Mapping Configuration

Flow Configuration for Line Profile [0]

+

Goback

Apply

Cancel

	Flow ID	Flow Port	VLAN Action	Customer VLAN	Customer Priority	Service VLAN	Service Priority
☐	0	Eth 1	Translate	100	0	200	0

Figure 7-10

7.6 Rule Profile

- 1.Click Config->ONTProfile Management->Rule Profile
2. This page configures add, modify, and delete rule profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Rule Profile Configuration

+

+

Apply

Cancel

	Profile ID	Profile Name	Auth Mode	SN/LOID	Password/Checkcode	Line Profile
☐	2/1/1	AUTO_ONT_2/1/1	SN	GPON-00aa5199		1
☐	2/1/2	AUTO_ONT_2/1/2	SN	STGU-0c800c92		1
☐	2/2/1	AUTO_ONT_2/2/1	SN	STGU-0c800c92		0
☐	2/2/2	AUTO_ONT_2/2/2	SN	GPON-00aa5199		0
☐	2/2/3	AUTO_ONT_2/2/3	SN	GPTF-00ed6885		0
☐	2/6/1	AUTO_ONT_2/6/1	SN	GPON-00aa5199		1
☐	2/6/2	AUTO_ONT_2/6/2	SN	STGU-0c800c92		1

Figure 7-11

7.7 Specific Profile

- 1.Click Config->ONTProfile Management->Specific Profile
- 2.This page is used to create a specific profile, which can be directly bound to an alarm profile and a multicast profile (when a specific profile conflicts with the configuration in the service profile, the specific profile takes precedence).

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

Specific Profile Configuration

+

+

Filter key in Profile ID slot/pon/ont...

Apply

Cancel

	Profile ID	Profile Name	ONT Description	Bind Alarm Profile	Bind Multicast Profile	Detail
☐	2/1/1	default_index_0				

Figure7-12

7.7.1 T-CONT

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->T-CONT
- 2.This page is used to configure t-cont binding DBA profile.

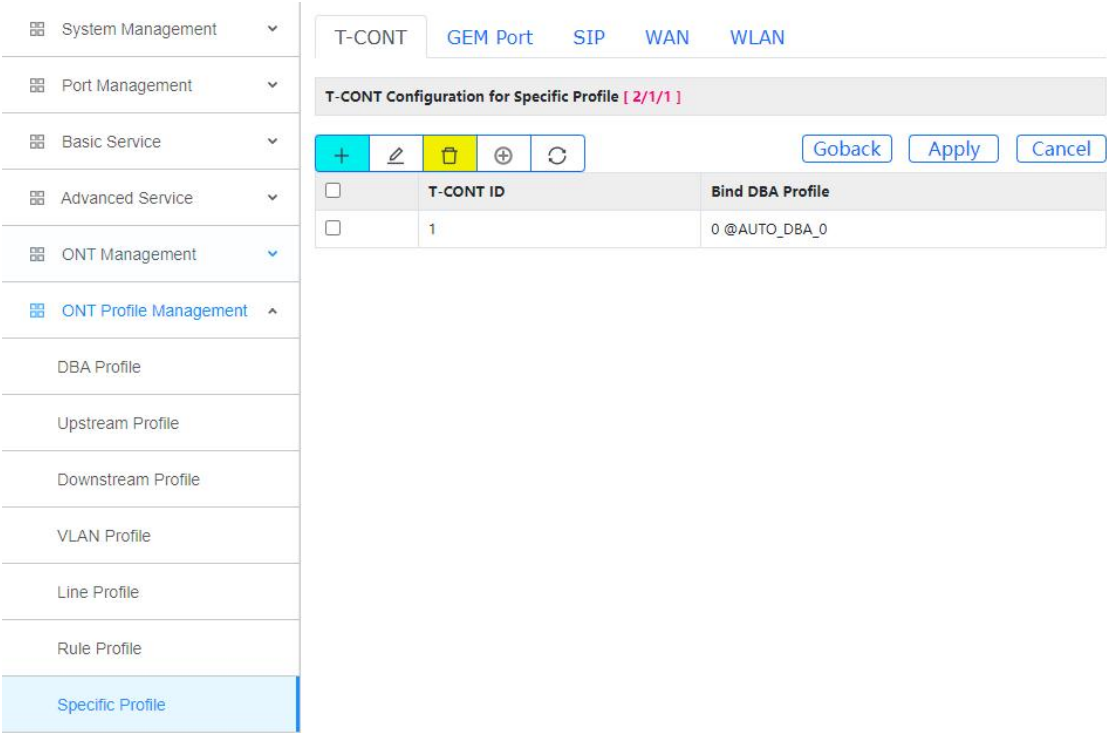


Figure7-13

7.7.2 GEM Port

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->GEM Port
- 2.2. This page is used to configure gemport binding VLAN profiles and upstream and downstream profiles.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT

GEM Port

SIP

WAN

WLAN

GEM Port Configuration for Specific Profile [2/1/1]

+

Goback

Apply

Cancel

☐	GEM Port ID	Bind VLAN Profile	Bind Upstream Profile	Bind Downstream Profile
☐	1	0 @AUTO_VLAN_0	0 @1	0

Figure7-14

7.7.3 SIP

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->SIP->SIP Agent
- 2.This page is used to configure the address of the SIP proxy server, the default port number is 5060.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT

GEM Port

SIP

WAN

WLAN

SIP Agent

SIP User Address

SIP User Information

SIP Digit Map

SIP Agent Configuration for Specific Profile [2/1/1]

+

Goback

Apply

Cancel

☐	Proxy Server	Outbound Proxy	Registrar Server	Signal Port
☐	10.1.1.1	10.1.1.1	10.1.1.1	

Figure7-15

7.7.3.1 SIP User Address

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->SIP->SIP User Address
- 2.This page is used to configure SIP user address, optional DHCP or static address.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT

GEM Port

SIP

WAN

WLAN

SIP Agent

SIP User Address

SIP User Information

SIP Digit Map

SIP User Address Configuration for Specific Profile [2/1/1]

+

Goback

Apply

Cancel

	IP Mode	VLAN	Priority	IP Address	Mask	Gateway	Primary DNS	Secondary DNS
☐	DHCP	100						

Figure7-16

7.7.3.2 SIP User Information

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->SIP->SIP User Information
- 2.This page is used to configure SIP user account and password.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT GEM Port SIP WAN WLAN

SIP Agent SIP User Address SIP User Information SIP Digit Map

SIP User Info Configuration for Specific Profile [2/1/1]

+

Goback Apply Cancel

	POTS Number	Description	Username	Password	Telephone Number
☐	1	123456	3000	abcd123	3000

Figure7-17

7.7.3.3 SIP Digit Map

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->SIP->SIP Digit Map
- 2.This page is used to configure SIP digit map.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT GEM Port SIP WAN WLAN

SIP Agent SIP User Address SIP User Information SIP Digit Map

SIP Digit Map Configuration for Specific Profile [2/1/1]

+

Goback Apply Cancel

	Dial Plan ID	Dial Plan Token
☐	1	134567481341564561313

Figure7-18

7.7.4 WAN

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->WAN
- 2.This page is used to configure the WAN of the ONU, up to four.

☐	WAN Index	IP Mode	User Name	Password	Service Name	NAT Status	Service Type	Bind LANs	Connect Type	VLAN	Priority
☐	1	DHCP				Disable	tr069		route	100	
☐	2	PPPoE	pppoe	pppoe		Disable	internet	1	route	101	
☐	3	DHCP				Disable	voip		route	102	
☐	4	DHCP				Disable	other	2	bridge	103	

Figure7-19

7.7.5 WLAN

- 1.Click Config->ONTProfile Management->Specific Profile->Detail->WLAN
- 2.This page is used to configure WIFI password and bind WIFIprofile。

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Specific Profile

T-CONT GEM Port SIP WAN WLAN

WLAN Configuration for Specific Profile [2/1/1]

+

Goback Apply Cancel

	WLAN ID	SSID	Key	Bind WiFi Profile
☐	0	1	12345678	0
☐	1	2	12345678	1

Figure7-20

7.7 Alarm Profile

- 1.Click Config->ONTProfile Management->Alarm Profile
- 2.This page is used to configure the optical power alarm profile. The alarm profile needs to be bound and used in the line profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Alarm Profile

Alarm Profile Configuration

+

+

Apply

Cancel

	Profile ID	Profile Name	Parameter Active	RX Low (dBm)	RX High (dBm)	TX Low (dBm)	TX High (dBm)
☐	0	default_index_0	Enable	-10	-5	3	10

Figure7-21

7.8 Multicast Profile

- 1.Click Config->ONTProfile Management->Multicast Profile
- 2.This page is used to create a multicast profile. Multicast profile needs to be bound and used in the line profile.

System Management

Port Management

Basic Service

Advanced Service

ONT Management

ONT Profile Management

DBA Profile

Upstream Profile

Downstream Profile

VLAN Profile

Line Profile

Rule Profile

Alarm Profile

Multicast Profile

Multicast Profile Configuration

+

+

Apply

Cancel

	Profile ID	Profile Name	Detail
☐	0	default_index_0	

Figure7-22

7.8.1 Multicast Profile Configuration

- 1.Click Config->ONTProfile Management->Multicast Profile->Detail
- 2.This page is used to configure the multicast profile.

系统管理

端口管理

基本业务

高级业务

ONT管理

ONT模板管理

DBA模板

上行流模板

下行流模板

VLAN模板

业务模板

规则模板

告警模板

组播模板

表项配置-组播模板 [0]

+

返回

应用

取消

☐	表项索引	权限类型	组播组IP	源IP	VLAN	带宽	单次持续(秒)	每次间隔(秒)	在此时刻重置(小时)	预览最大次数	ONT 端口
☐	0	Preview	224.1.1.1	1.1.1.1	1		10	30	1:00	3	1
☐	1	Permit	225.1.1.1	2.1.1.1	1						1

Figure7-23

Chapter 8 Maintain

8.1 Software Upgrading

- 1.Click Maintain->Software Upgrading
- 2. This page upgrades the OLT version. You can choose to upgrade the boot and host files. After the upgrade, restart the OLT to take effect.

Software Upgrading ^

Configuration Operation v

Device Reboot v

ONT Operation v

Logo Replace v

Software update

Host Software Version

V1.01.B00

Version Release Time

Tue Mar 1 21:01:24 CST 2022

Bootrom Version

V1.0

Please Select Bootrom File

选择文件

未选择文件

☐ Restart after update success

Please Select Host File

选择文件

未选择文件

Update

Figure8-1

8.2 Configuration Operation

Configuration operations include upload, download and save configuration.

8.2.1 Configuration Update

- 1.Click Maintain->Configuration Operation->Configuration Update
- 2. This page uploads the configuration file to the OLT and saves the configuration file from the device to the PC.

Software Upgrading v

Configuration Operation ^

Configuration Update

Configuration Save

Device Reboot v

ONT Operation v

Logo Replace v

Config File Update

Select Config File

选择文件

未选择文件

Save Config File

Save Config File

Update

Figure 8-2

8.2.2 Configuration Save

- 1.Click Maintain->Configuration Operation->Configuration Save
- 2. This page saves the OLT configuration file to the flash.

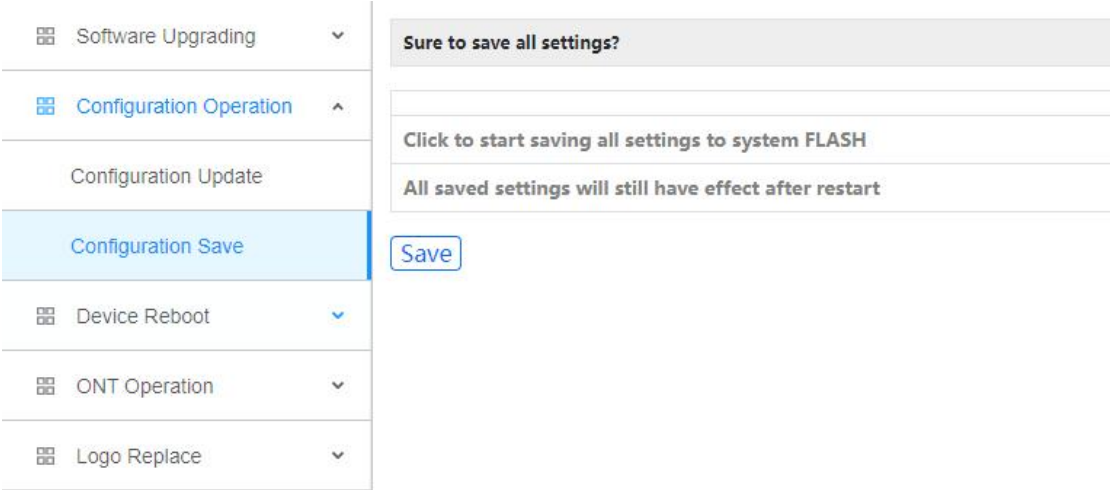


Figure 8-3

8.3 Device Reboot

- 1.Click Maintain->Device Reboot
- 2. This page restarts the OLT.

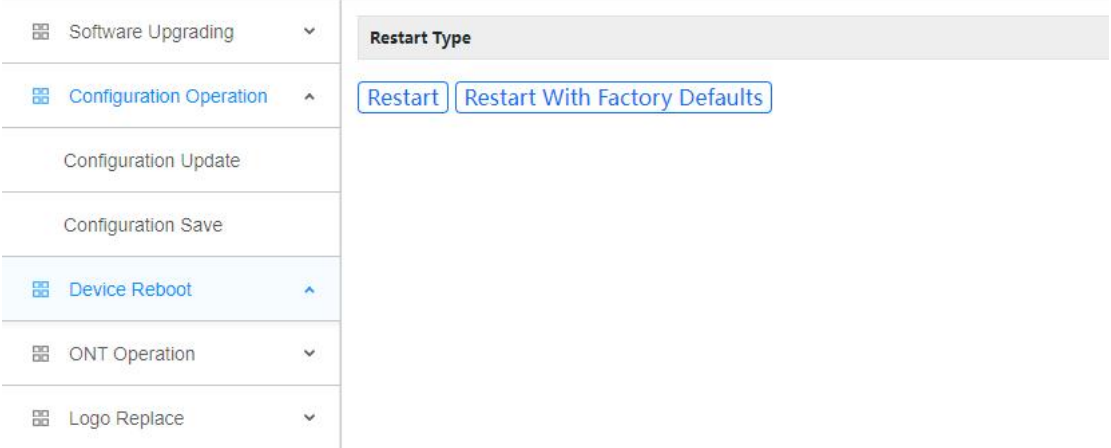


Figure 8-4

8.4 ONT Operation

ONU operations include upgrade the ONT and restart the ONT.

8.4.1 Software Upgrade

- 1.Click Maintain->ONT Operation->Software Upgrade
- 2. This page configures ONT batch upgrade. The ONT upgrade file must be uploaded to the OLT, and then the matching ONT will be upgraded by the OLT.

Software Upgrading

Configuration Operation

Device Reboot

ONT Operation

Software Upgrade

Upgrade Progress

Configuration Load

Load Progress

Reboot

Logo Replace

ONT Upgrade

ONT Match Type

ONT List

ONT List String

2/1/1,2/3/1,2/6/1-2/8/8

ONT Image File Select

选择文件 未选择文件

Upgrade Type

Reboot Automatically After Upgrade

Device Type Filter

None

Software Version Filter

None

Upgrade Time Setting

Right Now

Upgrade

Figure 8-5

8.4.4 Upgrade Progress

- 1.Click Maintain->ONT Operation->Upgrade Progress
- 2. This page displays the upgrade progress of all ONTs.

Software Upgrading

Configuration Operation

Device Reboot

ONT Operation

Software Upgrade

Upgrade Progress

Configuration Load

Load Progress

Reboot

Logo Replace

ONT Upgrade Progress List

Port	ONT	Main Software Version	Secondary Software Version	Result	Progress	Schedule
gpon0/2/2	3	V1.0.1	N/A	loading	38%	Stop

Refresh

Figure 8-6

8.4.5Configuration Load

- 1.Click Maintain->ONT Operation->Configuration Load
- 2. This page configures ONT XML configuration file load. The information is defined in a vendor-specific deployment descriptor.

Software Upgrading

Configuration Operation

Device Reboot

ONT Operation

Software Upgrade

Upgrade Progress

Configuration Load

Load Progress

Reboot

Logo Replace

ONT Configuration Load

ONT Match Type

ONT List

ONT List String

2/1/1,2/3/1,2/6/1-2/8/8

TFTP Server IP Address

192.168.1.1

Configuration File Name

ont.xml

Device Type Filter

None

Software Version Filter

None

Configuration Load

Figure 8-7

8.4.4 LoadProgress

- 1.Click Maintain->ONT Operation->LoadProgress
- 2. This page displays the XML configuration file load progress of all ONTs.

Software Upgrading

Configuration Operation

Device Reboot

ONT Operation

Software Upgrade

Upgrade Progress

Configuration Load

Load Progress

Reboot

Logo Replace

ONT Load Progress List

Port	ONT	Main Software Version	Secondary Software Version	Result	Progress
------	-----	-----------------------	----------------------------	--------	----------

Refresh

Figure 8-8

8.4.5 ONT Reboot

- 1.Click Maintain->ONT Operation->Reboot
- 2. This page restarts a single ONT or batches of ONTs.

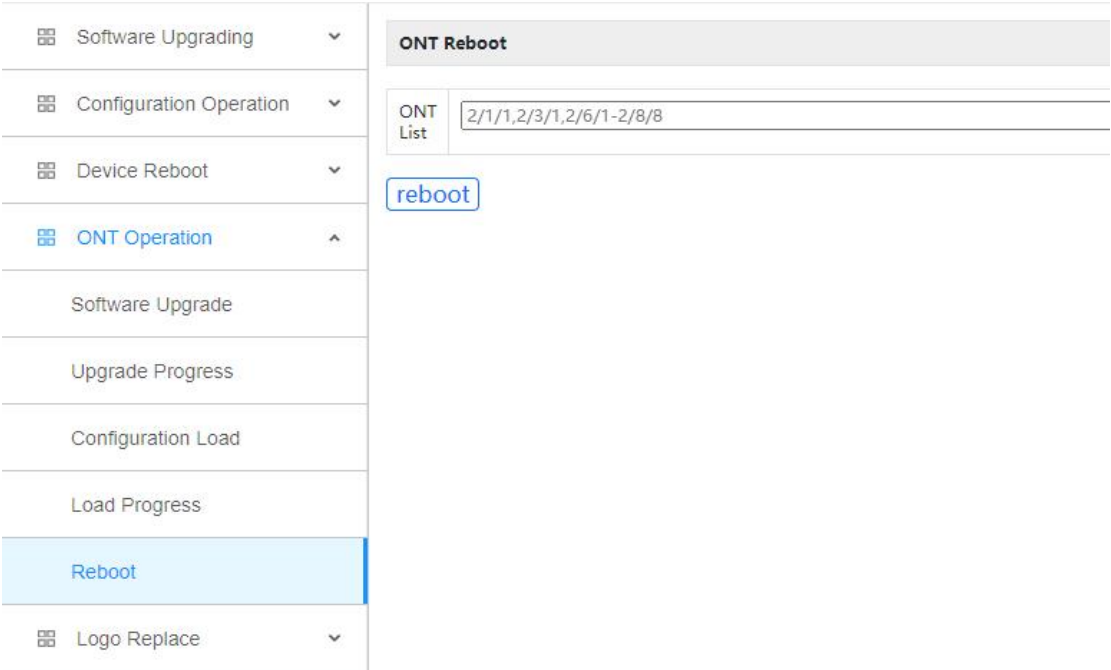


Figure 8-9

8.5 Logo Replace

- 1. Maintain->Logo Replace
- 2. This page replaces the logo information of the WEB page. After uploading the new logo, restart the browser and clear the cache.

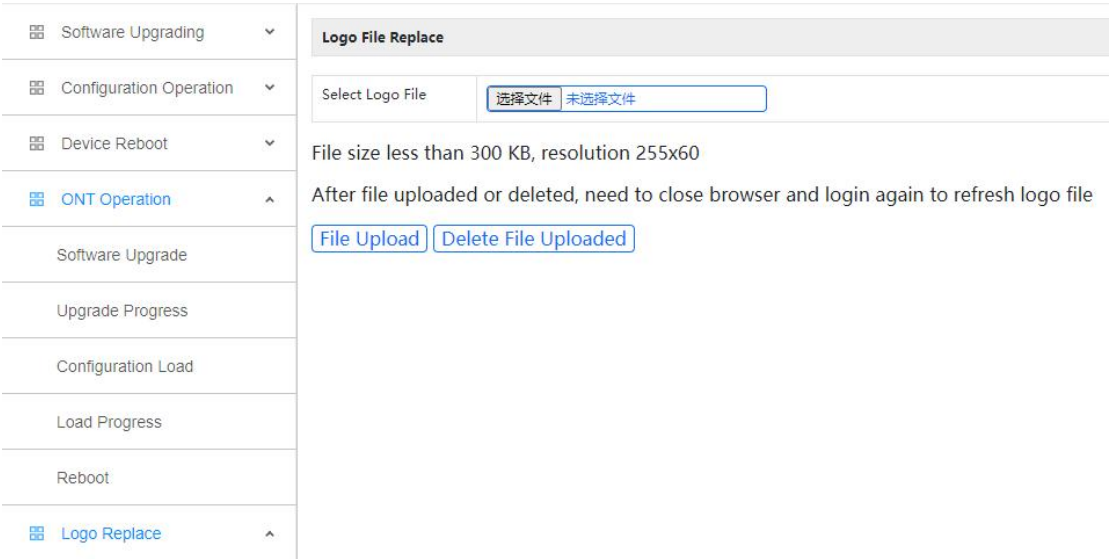


Figure 8-10