



**XG(S)PON OLT  
WEB USER  
MANUAL**

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# Chapter 1 Monitor

## 1.1 System Information

### 1.1.1 Login OLT

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. XG(S)PON OLT is compatible with GPON ONU when combined with the combo optical module.

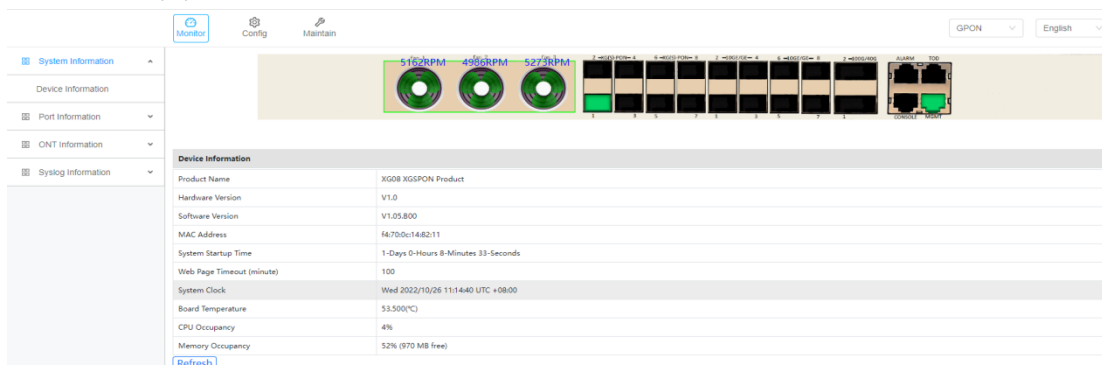


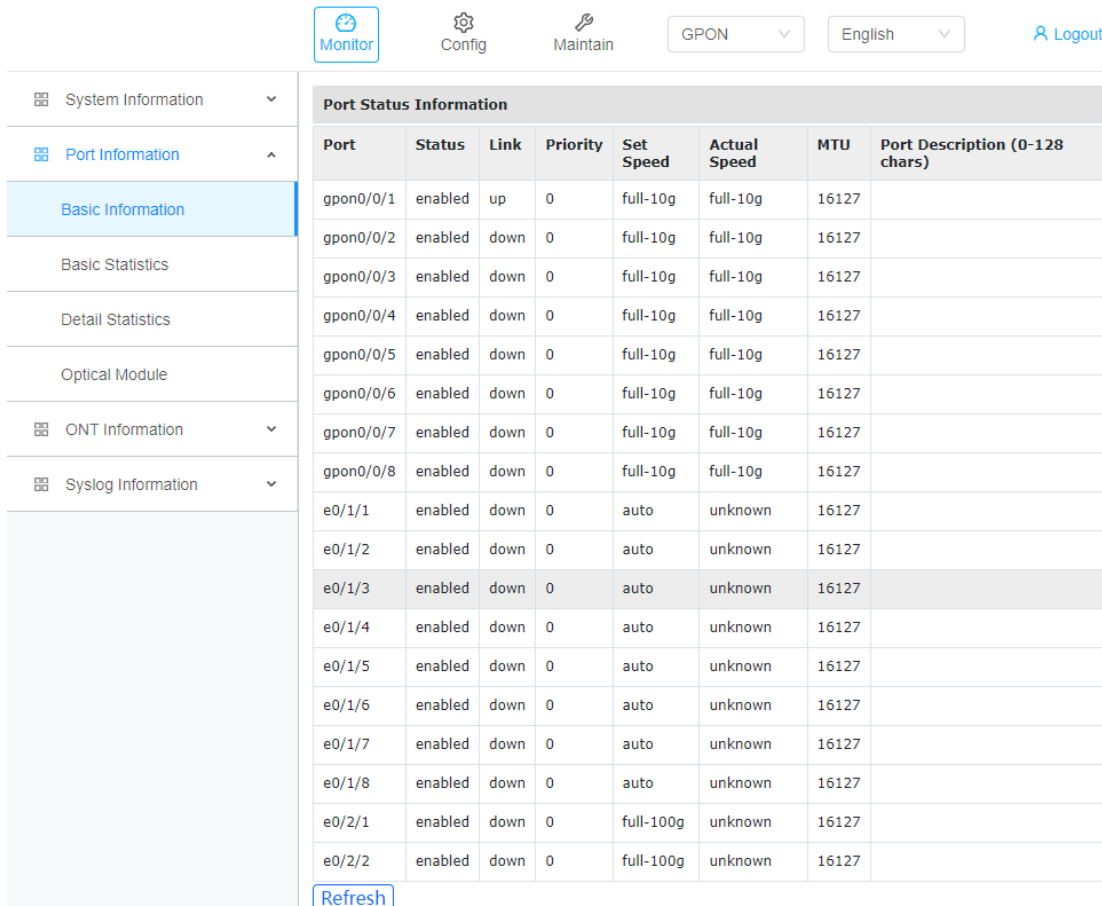
Figure 1-2

## 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.



Port Status Information							
Port	Status	Link	Priority	Set Speed	Actual Speed	MTU	Port Description (0-128 chars)
gpon0/0/1	enabled	up	0	full-10g	full-10g	16127	
gpon0/0/2	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/3	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/4	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/5	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/6	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/7	enabled	down	0	full-10g	full-10g	16127	
gpon0/0/8	enabled	down	0	full-10g	full-10g	16127	
e0/1/1	enabled	down	0	auto	unknown	16127	
e0/1/2	enabled	down	0	auto	unknown	16127	
e0/1/3	enabled	down	0	auto	unknown	16127	
e0/1/4	enabled	down	0	auto	unknown	16127	
e0/1/5	enabled	down	0	auto	unknown	16127	
e0/1/6	enabled	down	0	auto	unknown	16127	
e0/1/7	enabled	down	0	auto	unknown	16127	
e0/1/8	enabled	down	0	auto	unknown	16127	
e0/2/1	enabled	down	0	full-100g	unknown	16127	
e0/2/2	enabled	down	0	full-100g	unknown	16127	

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.

Port	Receive Packets	Receive Bytes	Receive Errors	Transmit Packets	Transmit Bytes	Transmit Errors
gpon0/0/1	0	0	0	0	0	0
gpon0/0/2	274	27186	0	3	216	0
gpon0/0/3	0	0	0	0	0	0
gpon0/0/4	0	0	0	0	0	0
gpon0/0/5	0	0	0	0	0	0
gpon0/0/6	0	0	0	0	0	0
gpon0/0/7	0	0	0	0	0	0
gpon0/0/8	0	0	0	0	0	0
e0/1/1	0	0	0	0	0	0
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
e0/1/5	3	192	0	0	0	0
e0/1/6	0	0	0	0	0	0
e0/1/7	0	0	0	0	0	0
e0/1/8	0	0	0	0	0	0
e0/2/1	0	0	0	0	0	0
e0/2/2	0	0	0	0	0	0

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.

Port Selection			
gpon0/0/1			
Port Detail Statistics			
Pkts 64 Bytes	0	Pkts 65-127 Bytes	0
Pkts 128-255 Bytes	0	Pkts 256-511 Bytes	0
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

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. You can



view the DDM information of GPON and XGPON from the drop-down box in the upper right corner.

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
gpon0/0/1 XGS-PON	42	3.27	34.98	60.00	0.00	-40.00	-5.00	-27.45	0.70	1.99	-1.01

Figure 1-6

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
gpon0/0/1 GPON	42	3.27	11.41	50.00	0.00	-40.00	-7.00	-27.96	1.48	1.99	-1.51

Figure 1-7

### 1.3 ONT Status

1. Click Monitor->ONT information->ONT Status
2. This page is used to view the status information of ONT registered on OLT.

Port	ONT	ONT Description	Serial Number	Equipment ID	Type	Model	Up Duration	Run State	Member State	More...
0/0/1	2	ONT_NO_DESCRIPTION	CMSZ-3b0d778e	1GE	N/A	N/A	0d19h13m	Normal	active	<a href="#">Config</a> <a href="#">Detail</a> <a href="#">Optical</a>

Port	ONT	ONT Description	Serial Number	Equipment ID	Type	Model	Down Duration	Deregister Reason	Member State	More...
0/0/1	1	ONT_NO_DESCRIPTION	XPON-0c81703b	MA2100-08T	N/A	N/A	0d19h14m	LOS	active	<a href="#">Config</a> <a href="#">Detail</a>

Figure 1-8

Port	ONT	ONT Description	Serial Number	Equipment ID	Type	Model	Up Duration	Run State	Member State	More...
0/0/1	1	ONT_NO_DESCRIPTION	RTKG-11111111	IGD	N/A	N/A	0d0h12m	Normal	active	<a href="#">Config</a> <a href="#">Detail</a> <a href="#">Optical</a>

Port	ONT	ONT Description	Serial Number	Equipment ID	Type	Model	Down Duration	Deregister Reason	Member State	More...
Refresh										

Figure 1-9

## 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.

Port <b>gpon0/0/1</b> ONT <b>1</b> Information <span style="float: right;"><a href="#">Back To ONT Status</a></span>	
<a href="#">Overview</a>   <a href="#">Capability</a>   <a href="#">Optical</a>   <a href="#">Port Status</a>   <a href="#">Statistics</a>   <a href="#">MAC Address</a>   <a href="#">Multicast Group</a>   <a href="#">WAN</a>   <a href="#">WLAN</a>	
Type	N/A
Description	ONT_NO_DESCRIPTION
Run State	online
Member State	active
Distance(m)	<8
Vendor ID	XPON
Equipment ID	IGD
Serial Number	RTKG-11111111
Password	N/A
LOID	N/A
Check Code	N/A
Main Software Version	V1.0.0
Secondary Software Version	N/A
Firmware Version	RTL960x
Online Time	10:58:48 2022/11/22
Up Duration	0 day(s) 0 hour(s) 19 minute(s)

[Refresh](#)

Figure 1-10

## 1.3.2 Capability

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

Port <b>gpon0/0/1</b> ONT <b>1</b> Information <span style="float: right;"><a href="#">Back To ONT Status</a></span>	
<a href="#">Overview</a>   <a href="#">Capability</a>   <a href="#">Optical</a>   <a href="#">Port Status</a>   <a href="#">Statistics</a>   <a href="#">MAC Address</a>   <a href="#">Multicast Group</a>   <a href="#">WAN</a>   <a href="#">WLAN</a>	
Uplink GPON Ports Number	1
ETH/POTS/TDM/MOCA Ports Number	4/1/0/0
CATV ANI/UNI Ports Number	0/0
T-CONTs/GEM Ports Number	31/248
Traffic Schedulers	31
T-CONT Queue 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 1-11

## 1.3.3 Optical

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

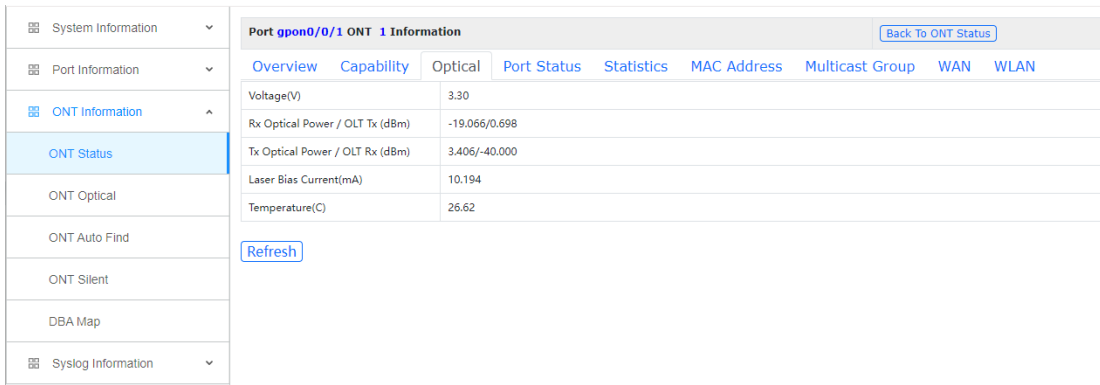


Figure 1-12

### 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.

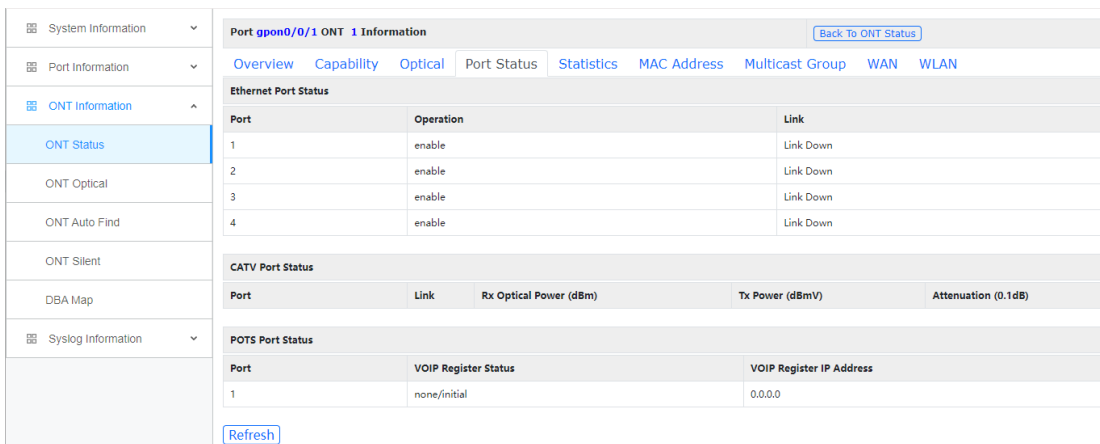


Figure 1-13

### 1.3.5 Statistics

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

System Information	Port gpon0/0/1 ONT 1 Information <a href="#">Back To ONT Status</a>																																																																									
Port Information	<a href="#">Overview</a> <a href="#">Capability</a> <a href="#">Optical</a> <a href="#">Port Status</a> <a href="#">Statistics</a> <a href="#">MAC Address</a> <a href="#">Multicast Group</a> <a href="#">WAN</a> <a href="#">WLAN</a>																																																																									
ONT Information	Traffic Statistics																																																																									
ONT Status	Upstream Frames	Upstream Bytes	Downstream Frames	Downstream Bytes	Up Traffic (kbps)	Down Traffic (kbps)																																																																				
ONT Optical	0	0	0	0	0	0																																																																				
ONT Auto Find	Ethernet Port Statistics																																																																									
ONT Silent	Port	<table border="1"> <thead> <tr> <th colspan="6">Receive Frames</th> <th colspan="6">Transmit Frames</th> </tr> <tr> <th>All</th> <th>Unicast</th> <th>Multicast</th> <th>Broadcast</th> <th>Discard</th> <th>Bytes</th> <th>All</th> <th>Unicast</th> <th>Multicast</th> <th>Broadcast</th> <th>Bytes</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>2</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>3</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>4</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>						Receive Frames						Transmit Frames						All	Unicast	Multicast	Broadcast	Discard	Bytes	All	Unicast	Multicast	Broadcast	Bytes	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0
Receive Frames						Transmit Frames																																																																				
All	Unicast	Multicast	Broadcast	Discard	Bytes	All	Unicast	Multicast	Broadcast	Bytes																																																																
1	0	0	0	0	0	0	0	0	0	0																																																																
2	0	0	0	0	0	0	0	0	0	0																																																																
3	0	0	0	0	0	0	0	0	0	0																																																																
4	0	0	0	0	0	0	0	0	0	0																																																																
DBA Map	GEM Statistics																																																																									
Syslog Information	GEM	Lost Frames	Receive Frames	Receive Blocks	Transmit Frames	Transmit Blocks																																																																				
	unicast 1	0	0	0	0	0																																																																				
	broadcast	0	0	0	0	0																																																																				
	multicast	0	0	0	0	0																																																																				
	<a href="#">Refresh</a>																																																																									

Figure 1-14

### 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.

System Information	Port gpon0/0/1 ONT 1 Information <a href="#">Back To ONT Status</a>			
Port Information	<a href="#">Overview</a> <a href="#">Capability</a> <a href="#">Optical</a> <a href="#">Port Status</a> <a href="#">Statistics</a> <a href="#">MAC Address</a> <a href="#">Multicast Group</a> <a href="#">WAN</a> <a href="#">WLAN</a>			
ONT Information	MAC Address VLAN GEM Index GEM ID			
ONT Status	<a href="#">Refresh</a>			
ONT Optical				
ONT Auto Find				
ONT Silent				
DBA Map				
Syslog Information				

Figure 1-15

### 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.

System Information	Port gpon0/0/1 ONT 1 Information <a href="#">Back To ONT Status</a>						
Port Information	<a href="#">Overview</a> <a href="#">Capability</a> <a href="#">Optical</a> <a href="#">Port Status</a> <a href="#">Statistics</a> <a href="#">MAC Address</a> <a href="#">Multicast Group</a> <a href="#">WAN</a> <a href="#">WLAN</a>						
ONT Information	Port	MAC Address	IP Address	VLAN	Client IP	Age Time	IGMP Version
ONT Status	<a href="#">Refresh</a>						
ONT Optical							
ONT Auto Find							
ONT Silent							
DBA Map							
Syslog Information							

Figure 1-16

## 1.3.8 ONT WAN

1.Click Monitor->ONT information->ONT Status->Detail->WAN

2.This page is used to view the WAN information sent from OLT to ONT, this function needs ONU support.

WAN Index	WAN Name	Service Type	Connect Type	Connect Status	Access Type	IP Address	Net Mask	Gateway	Primary DNS	Secondary DNS	Manage VLAN	Priority	NAT Status
1		Internet	IP routed	Disconnected	Static	10.1.1.1	255.255.255.0	10.1.1.100	202.96.134.133	8.8.8.8	1	0	Enable
2		Internet	IP routed	Disconnected	DHCP	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0	0	Enable
3		Internet	IP routed	Disconnected	DHCP	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0	0	Enable
4		Internet	IP routed	Disconnected	DHCP	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	0	0	Enable

Figure 1-17

## 1.3.9 ONT WLAN

1.Click Monitor->ONT information->ONT Status->Detail->WLAN

2.This page is used to view the WIFI information sent down from the OLT to the ONU, and this function requires ONU support.

Frequency (Hz)	SSID Index	SSID Name	Wireless Standard	Administrative State	Operational State	Maximum Associate Number	Current Associate Number
2.4G	1		Invalid	Disable	Up	1	0
2.4G	2		Invalid	Disable	Up	1	0
2.4G	3		Invalid	Disable	Up	1	0
2.4G	4		Invalid	Disable	Up	1	0
5G	1		Invalid	Disable	Up	1	0
5G	2		Invalid	Disable	Up	1	0
5G	3		Invalid	Disable	Up	1	0
5G	4		Invalid	Disable	Up	1	0

Figure 1-18

## 1.4 ONT Optical

1.Click Monitor->ONT information->ONT Optical

2.This page displays the optical power information of the registered ONT.

Port	ONT	Voltage(V)	Rx Optical Power / Peer (dBm)	Tx Optical Power / Peer (dBm)	Laser Bias Current(mA)	Temperature(C)
0/0/1	3	3.34	-19.706/1.478	3.294/-40.000	19.300	30.16

Figure 1-19

## 1.5 ONT Auto Find

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

Port	Index	Serial Number	Equipment ID	Last Find Time	Find Count	Detail
0/0/1	0	OPTI-12345678	IGD	2022/11/22 16:58:33	27	<a href="#">Detail</a>

[Refresh](#)

Figure 1-20

### 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.

Field	Value
Serial Number	OPTI-12345678
Password	1234567890
LOID	N/A
Check Code	N/A
Vendor ID	OPTI
Main Software Version	V4.0.0-220831
Firmware Version	8102WT-1.2.18
Equipment ID	IGD
Unregistered Reason	AUTH_PARAM_NOT_MATCH
First Find Time	2022/11/22 16:49:16
Last Find Time	2022/11/22 16:58:53
Find Count	28

[Refresh](#)

Figure 1-21

## 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	PON Port Selection										
Port Information	gpon0/0/1										
ONT Information	ONT Silent List										
ONT Status	<table border="1"> <thead> <tr> <th>Port</th> <th>Index</th> <th>Serial Number</th> <th>Expire Time</th> <th>Reason</th> </tr> </thead> <tbody> <tr> <td>0/0/1</td> <td>0</td> <td>OPTI-12345678</td> <td>58</td> <td>auth-fail</td> </tr> </tbody> </table>	Port	Index	Serial Number	Expire Time	Reason	0/0/1	0	OPTI-12345678	58	auth-fail
Port	Index	Serial Number	Expire Time	Reason							
0/0/1	0	OPTI-12345678	58	auth-fail							
ONT Optical	<a href="#">Refresh</a>										
ONT Auto Find											
ONT Silent											
DBA Map											
Syslog Information											

Figure1-22

## 1.7 DBA Map

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

System Information	PON Port Selection																
Port Information	gpon0/0/1																
ONT Information	DBA Map Summary																
ONT Status	<table border="1"> <thead> <tr> <th>Assign Success Total Entries</th> <th>Assign Success Total Fixed Bandwidth (kbps)</th> <th>Assign Success Total Assured Bandwidth (kbps)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	Assign Success Total Entries	Assign Success Total Fixed Bandwidth (kbps)	Assign Success Total Assured Bandwidth (kbps)	1	0	0										
Assign Success Total Entries	Assign Success Total Fixed Bandwidth (kbps)	Assign Success Total Assured Bandwidth (kbps)															
1	0	0															
ONT Optical	DBA Map List																
ONT Auto Find	<table border="1"> <thead> <tr> <th>Port</th> <th>ONT</th> <th>T-CONT INDEX</th> <th>DBA Index</th> <th>Fixed Bandwidth (kbps)</th> <th>Assured Bandwidth (kbps)</th> <th>Max Bandwidth (kbps)</th> <th>Assign</th> </tr> </thead> <tbody> <tr> <td>gpon0/0/1</td> <td>1</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>1200000</td> <td>success</td> </tr> </tbody> </table>	Port	ONT	T-CONT INDEX	DBA Index	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Max Bandwidth (kbps)	Assign	gpon0/0/1	1	1	0	0	0	1200000	success
Port	ONT	T-CONT INDEX	DBA Index	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Max Bandwidth (kbps)	Assign										
gpon0/0/1	1	1	0	0	0	1200000	success										
ONT Silent	<a href="#">Refresh</a>																
DBA Map																	
Syslog Information																	

Figure 1-23

## 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	Syslog Log Information																										
Port Information	<a href="#">Refresh</a>																										
ONT Information	<table border="1"> <thead> <tr> <th>Index</th> <th>Log Information</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5 day 01:12:59: %OAM-5-LOGIN: The remote client 192.168.168.123 (admin) has logged in at web 1.</td> </tr> <tr> <td>2</td> <td>5 day 01:12:54: %OAM-5-LOGOUT: The remote client 192.168.168.123 (admin) has logged out at web 1.</td> </tr> <tr> <td>3</td> <td>5 day 01:11:48: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>4</td> <td>5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>5</td> <td>5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>6</td> <td>5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>7</td> <td>5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>8</td> <td>5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>9</td> <td>5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>10</td> <td>5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>11</td> <td>5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> <tr> <td>12</td> <td>5 day 01:11:44: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all</td> </tr> </tbody> </table>	Index	Log Information	1	5 day 01:12:59: %OAM-5-LOGIN: The remote client 192.168.168.123 (admin) has logged in at web 1.	2	5 day 01:12:54: %OAM-5-LOGOUT: The remote client 192.168.168.123 (admin) has logged out at web 1.	3	5 day 01:11:48: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	4	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	5	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	6	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	7	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	8	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	9	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	10	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	11	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all	12	5 day 01:11:44: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all
Index	Log Information																										
1	5 day 01:12:59: %OAM-5-LOGIN: The remote client 192.168.168.123 (admin) has logged in at web 1.																										
2	5 day 01:12:54: %OAM-5-LOGOUT: The remote client 192.168.168.123 (admin) has logged out at web 1.																										
3	5 day 01:11:48: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
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5	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
6	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
7	5 day 01:11:47: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
8	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
9	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
10	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
11	5 day 01:11:46: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
12	5 day 01:11:44: %CMDLINE-6-COMMAND: (0) admin: display ont-autofind list interface gpon all																										
ONT Status																											
ONT Optical																											
ONT Auto Find																											
ONT Silent																											
DBA Map																											
Syslog Information																											

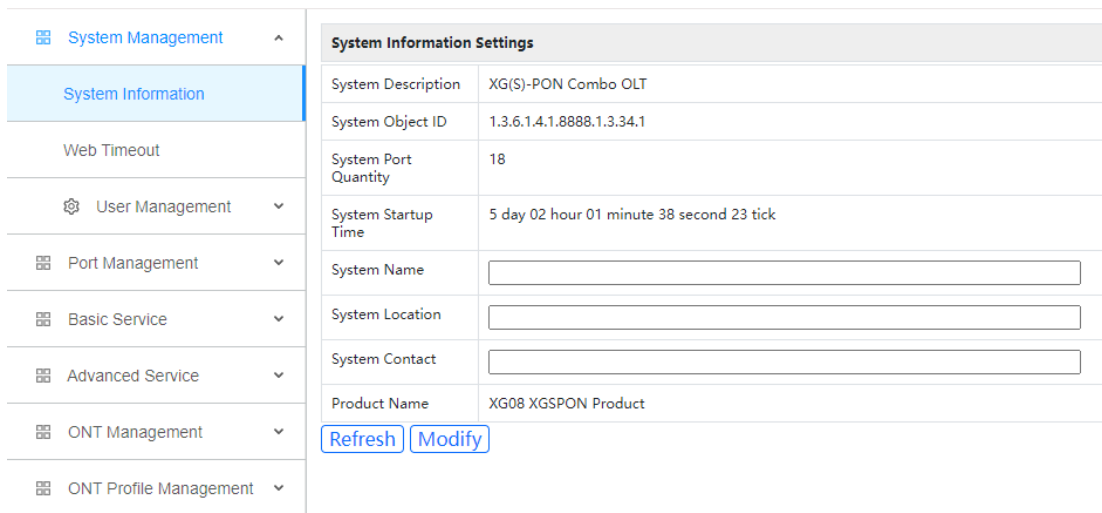
Figure 1-24

# 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.



The screenshot shows the 'System Information Settings' page. On the left is a navigation menu with 'System Management' expanded to show 'System Information'. The main content area displays a table of system information:

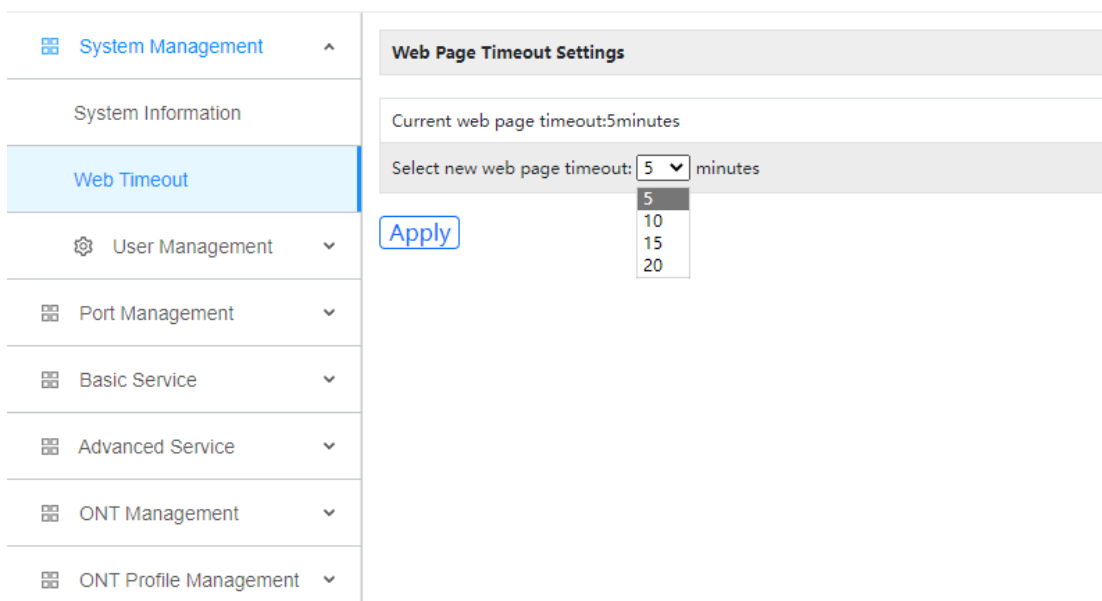
System Information Settings	
System Description	XG(S)-PON Combo OLT
System Object ID	1.3.6.1.4.1.8888.1.3.34.1
System Port Quantity	18
System Startup Time	5 day 02 hour 01 minute 38 second 23 tick
System Name	<input type="text"/>
System Location	<input type="text"/>
System Contact	<input type="text"/>
Product Name	XG08 XGSPON Product

At the bottom of the table are two buttons: 'Refresh' and 'Modify'.

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.



The screenshot shows the 'Web Page Timeout Settings' page. On the left is a navigation menu with 'System Management' expanded to show 'Web Timeout'. The main content area displays the following information:

Current web page timeout: 5minutes

Select new web page timeout:  minutes

Below the input field is a dropdown menu with the following options: 5, 10, 15, 20.

At the bottom left of the main content area is an 'Apply' button.

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.

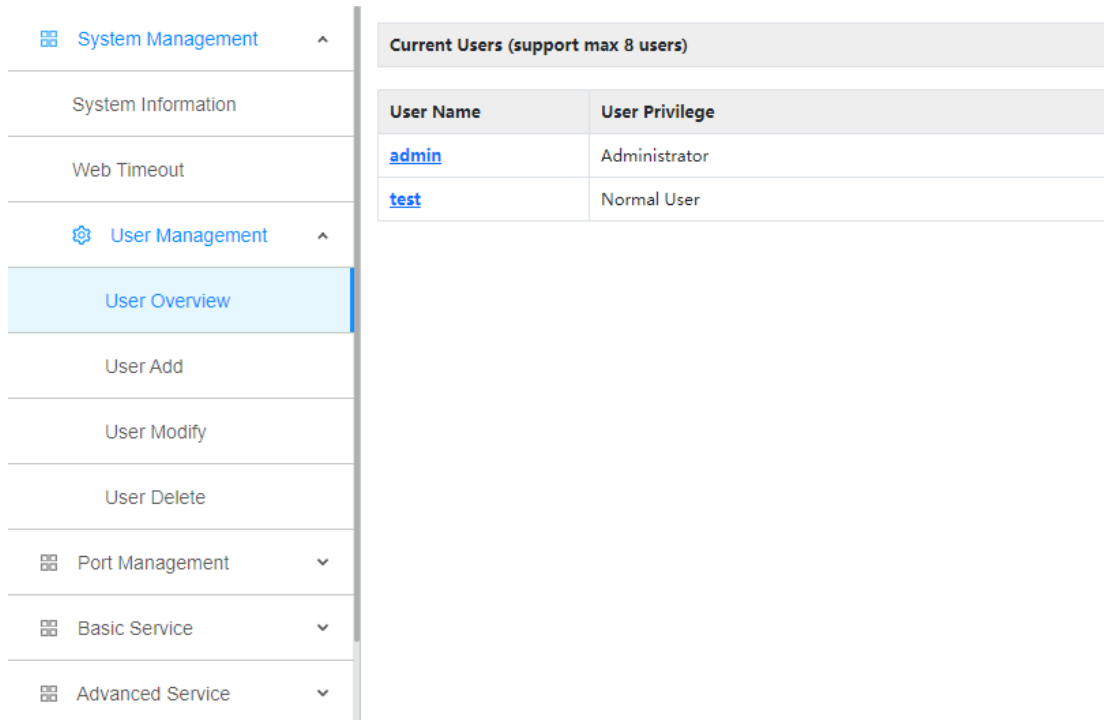


Figure 2-3

### 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.

Add New User (support max 8 users)	
New User Name (1-32 characters)	<input type="text" value="test"/>
Password (1-16 characters)	<input type="password" value="...."/>
Confirm Password	<input type="password" value="...."/>
User Privilege	<input type="text" value="Normal"/>

[Add](#)

Figure 2-4

### 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	<input type="text" value="test"/>
New Password (1-16 characters)	<input type="password" value="...."/>
Confirm Password	<input type="password" value="...."/>
User Privilege	<input type="text" value="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.

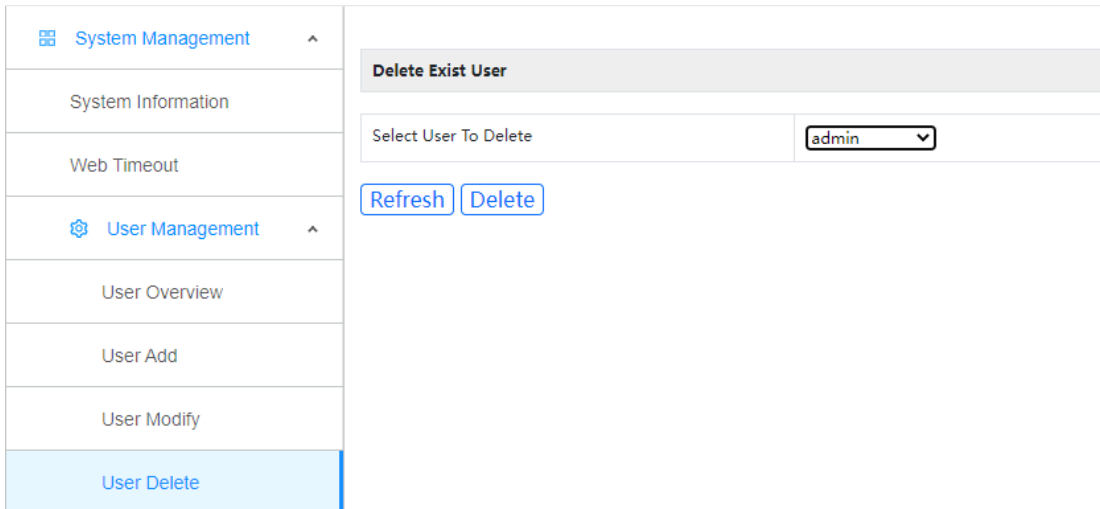


Figure 2-6

# 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		gpon0/0/1	enable	up	0	full-10g	full-10G	16127	
		<a href="#">Refresh</a> <a href="#">Modify</a>							
Port Mirror		gpon0/0/1	enabled	up	0	full-10g	full-10g	16127	
Port Isolation		gpon0/0/2	enabled	down	0	full-10g	full-10g	16127	
Storm Control		gpon0/0/3	enabled	down	0	full-10g	full-10g	16127	
Bandwidth Control		gpon0/0/4	enabled	down	0	full-10g	full-10g	16127	
		gpon0/0/5	enabled	down	0	full-10g	full-10g	16127	
		gpon0/0/6	enabled	down	0	full-10g	full-10g	16127	
		gpon0/0/7	enabled	down	0	full-10g	full-10g	16127	
		gpon0/0/8	enabled	down	0	full-10g	full-10g	16127	
Basic Service		e0/1/1	enabled	down	0	auto	unknown	16127	
Advanced Service		e0/1/2	enabled	down	0	auto	unknown	16127	
ONT Management		e0/1/3	enabled	down	0	auto	unknown	16127	
ONT Profile Management		e0/1/4	enabled	down	0	auto	unknown	16127	
		e0/1/5	enabled	down	0	auto	unknown	16127	
		e0/1/6	enabled	down	0	auto	unknown	16127	
		e0/1/7	enabled	down	0	auto	unknown	16127	
		e0/1/8	enabled	down	0	auto	unknown	16127	
		e0/2/1	enabled	down	0	full-100g	unknown	16127	
		e0/2/2	enabled	down	0	full-100g	unknown	16127	

Figure 3-1

## 3.2 Port Mirror

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

Mirror Source Port		
Port	Mirrored	Direction
gpon0/0/1	<input type="checkbox"/>	Both
gpon0/0/2	<input type="checkbox"/>	Both
gpon0/0/3	<input type="checkbox"/>	Both
gpon0/0/4	<input type="checkbox"/>	Both
gpon0/0/5	<input type="checkbox"/>	Both
gpon0/0/6	<input type="checkbox"/>	Both
gpon0/0/7	<input type="checkbox"/>	Both
gpon0/0/8	<input type="checkbox"/>	Both
e0/1/1	<input type="checkbox"/>	Both
e0/1/2	<input type="checkbox"/>	Both
e0/1/3	<input type="checkbox"/>	Both
e0/1/4	<input type="checkbox"/>	Both
e0/1/5	<input type="checkbox"/>	Both
e0/1/6	<input type="checkbox"/>	Both
e0/1/7	<input type="checkbox"/>	Both
e0/1/8	<input type="checkbox"/>	Both
e0/2/1	<input type="checkbox"/>	Both
e0/2/2	<input type="checkbox"/>	Both

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.

Port	Uplink Port List(such as e0/0/1-e0/0/2,e0/0/4,e0/1/1)
gpon0/0/1	Selector
gpon0/0/2	Selector
gpon0/0/3	Selector
gpon0/0/4	Selector
gpon0/0/5	Selector
gpon0/0/6	Selector
gpon0/0/7	Selector
gpon0/0/8	Selector
e0/1/1	Selector
e0/1/2	Selector
e0/1/3	Selector
e0/1/4	Selector
e0/1/5	Selector
e0/1/6	Selector
e0/1/7	Selector
e0/1/8	Selector
e0/2/1	Selector
e0/2/2	Selector

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

Storm Control			
Port	Broadcast(unit:pps)	Multicast(unit:pps)	Unicast(unit:pps)
gpon-0/0/1	<input checked="" type="checkbox"/> 50000 pps	<input checked="" type="checkbox"/> 500 pps	<input checked="" type="checkbox"/> 500 pps
gpon-0/0/2	<input checked="" type="checkbox"/> 50000 pps	<input checked="" type="checkbox"/> 500 pps	<input checked="" type="checkbox"/> 500 pps
gpon-0/0/3	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
gpon-0/0/4	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
gpon-0/0/5	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
gpon-0/0/6	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
gpon-0/0/7	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
gpon-0/0/8	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/1	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/2	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/3	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/4	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/5	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/6	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/7	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/1/8	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/2/1	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps
e-0/2/2	<input checked="" type="checkbox"/> 50000 pps	<input type="checkbox"/> pps	<input type="checkbox"/> pps

Refresh Apply Cancel

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.

Bandwidth Control		
Port	Ingress Rate	Egress Rate
e-0/1/1	99968 kbps	<input type="text"/> kbps
e-0/1/2	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/3	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/4	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/5	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/6	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/7	<input type="text"/> kbps	<input type="text"/> kbps
e-0/1/8	<input type="text"/> kbps	<input type="text"/> kbps
e-0/2/1	<input type="text"/> kbps	<input type="text"/> kbps
e-0/2/2	<input type="text"/> kbps	<input type="text"/> 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.

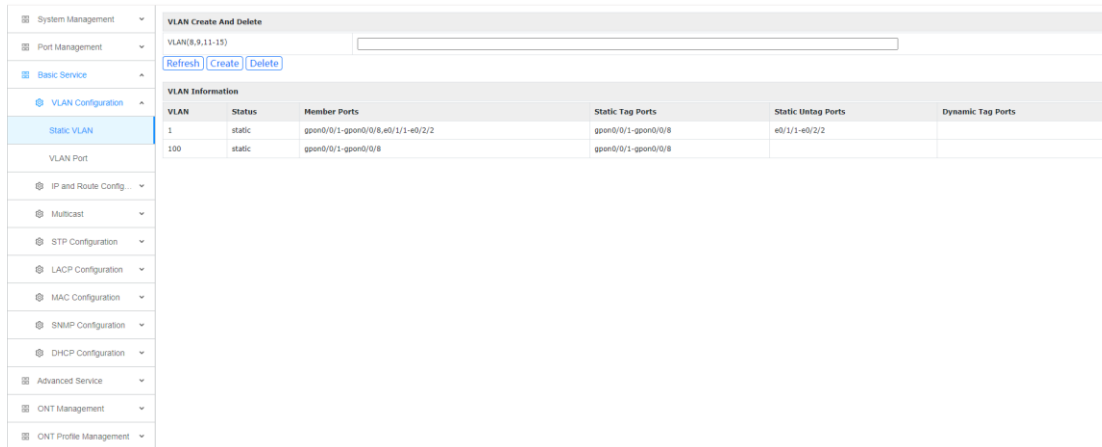


Figure 4-1

### 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.

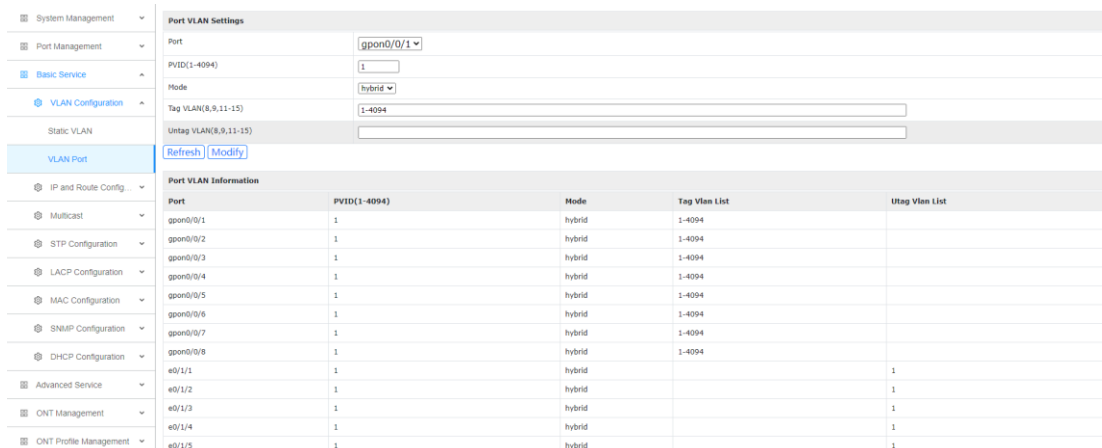


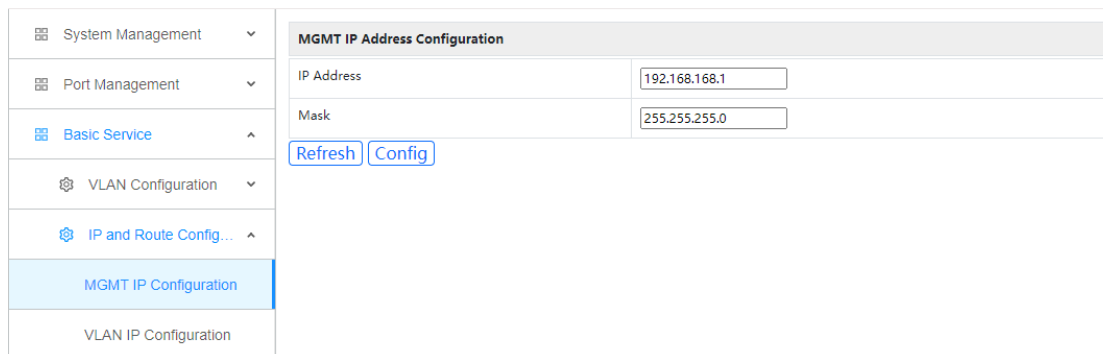
Figure 4-2

## 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.

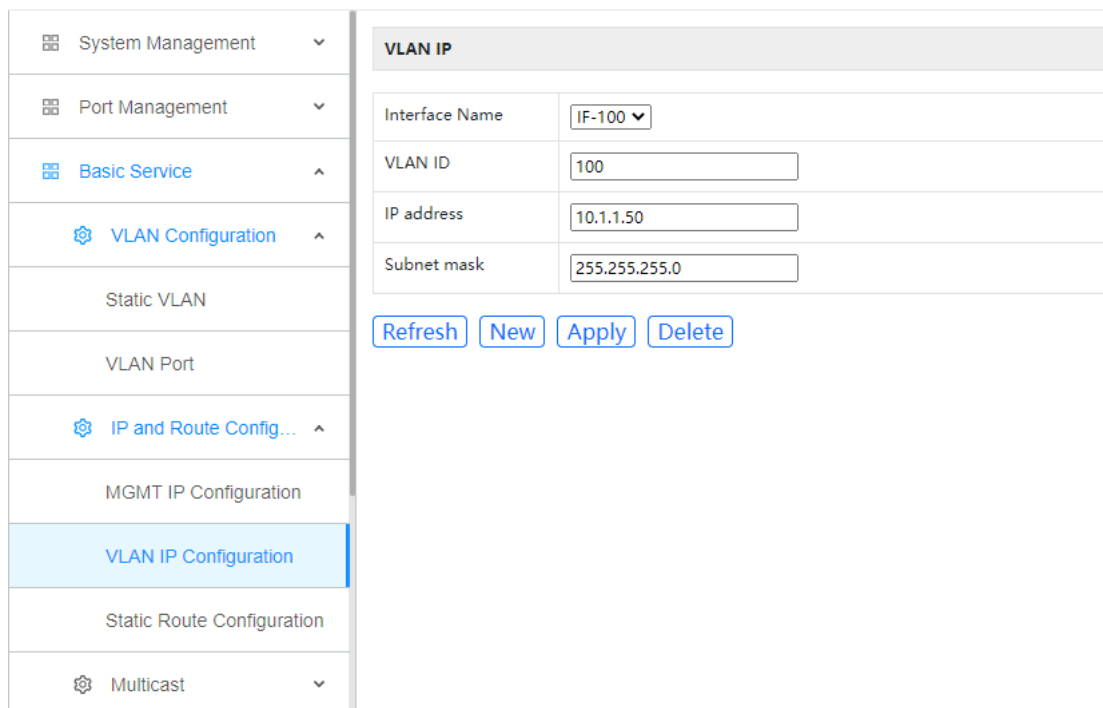


MGMT IP Address Configuration	
IP Address	<input type="text" value="192.168.168.1"/>
Mask	<input type="text" value="255.255.255.0"/>
<input type="button" value="Refresh"/> <input type="button" value="Config"/>	

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.



VLAN IP	
Interface Name	<input type="text" value="IF-100"/>
VLAN ID	<input type="text" value="100"/>
IP address	<input type="text" value="10.1.1.50"/>
Subnet mask	<input type="text" value="255.255.255.0"/>
<input type="button" value="Refresh"/> <input type="button" value="New"/> <input type="button" value="Apply"/> <input type="button" value="Delete"/>	

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	<input type="text"/>		
Subnet mask	<input type="text"/>		
Nexthop	<input type="text"/>		
<a href="#">Add</a>			
Static Route Table			
DestIP	Subnet mask	Nexthop	Operation
<a href="#">Refresh</a>			

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)				
1	01:00:5e:01:01:01	<input type="text"/>				
<a href="#">Refresh</a> <a href="#">Add</a> <a href="#">Modify</a> <a href="#">Delete</a>						
Multicast Information						
VLAN	MAC	Static Ports	IGMP Ports	Dynamic Ports	Delete	
1	01:00:5e:01:01:01	e0/1/1			<a href="#">Delete</a>	

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	<a href="#">Apply</a>	
Basic Service	<b>Advance Settings</b>	
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	<input type="text"/> <a href="#">Add</a> <a href="#">Delete</a> (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	<input type="text"/> <a href="#">Add</a> <a href="#">Delete</a> (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
	<a href="#">Refresh</a> <a href="#">Modify</a>	

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.

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.

Port	Remote Loop Detect	STP State	Port Role	Path Cost (1-200000000)	Priority (0-240)	Port State
gpon0/0/1	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/1	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/2	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/3	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/4	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/5	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/6	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/7	disable	disable	disabledPort	2000	128	forwarding
gpon0/0/8	disable	disable	disabledPort	2000	128	forwarding
e0/1/1	disable	enable	designatedPort	200000	128	DOWN
e0/1/2	disable	enable	designatedPort	200000	128	DOWN
e0/1/3	disable	enable	designatedPort	200000	128	DOWN
e0/1/4	disable	enable	designatedPort	200000	128	DOWN
e0/1/5	disable	enable	designatedPort	200000	128	DOWN
e0/1/6	disable	enable	designatedPort	200000	128	DOWN
e0/1/7	disable	enable	designatedPort	200000	128	DOWN
e0/1/8	disable	enable	designatedPort	200000	128	DOWN
e0/2/1	disable	enable	designatedPort	200000	128	DOWN
e0/2/2	disable	enable	designatedPort	200000	128	DOWN

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.

Group ID	Enabled Ports	Synchronized Ports	Aggregator ID	Status
T0	-	-	-	-
T1	-	-	-	-
T2	-	-	-	-
T3	-	-	-	-
T4	-	-	-	-
T5	-	-	-	-
T6	-	-	-	-
T7	-	-	-	-

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.

Port	Group ID	LACP Mode
e0/1/1	T0	static
e0/1/2	none	none
e0/1/3	none	none
e0/1/4	none	none
e0/1/5	none	none
e0/1/6	none	none
e0/1/7	none	none
e0/1/8	none	none
e0/2/1	none	none
e0/2/2	none	none

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.

Link Aggregation Control Protocol	
System Priority	32768
Group ID	LACP Active
T0	<input checked="" type="checkbox"/>
T1	<input type="checkbox"/>
T2	<input type="checkbox"/>
T3	<input type="checkbox"/>
T4	<input type="checkbox"/>
T5	<input type="checkbox"/>
T6	<input type="checkbox"/>
T7	<input type="checkbox"/>
Port	Port Priority
-	-
gpon0/0/1	128
gpon0/0/2	128
gpon0/0/3	128
gpon0/0/4	128
gpon0/0/5	128
gpon0/0/6	128
gpon0/0/7	128
gpon0/0/8	128
e0/1/1	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.

Port-MAC Binding Outline			
Port	Port-MAC Binding	Port	Port-MAC Binding
gpon0/0/1	disable	gpon0/0/2	disable
gpon0/0/3	disable	gpon0/0/4	disable
gpon0/0/5	disable	gpon0/0/6	disable
gpon0/0/7	disable	gpon0/0/8	disable
e0/1/1	disable	e0/1/2	disable
e0/1/3	disable	e0/1/4	disable
e0/1/5	disable	e0/1/6	disable
e0/1/7	disable	e0/1/8	disable
e0/2/1	disable	e0/2/2	disable

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

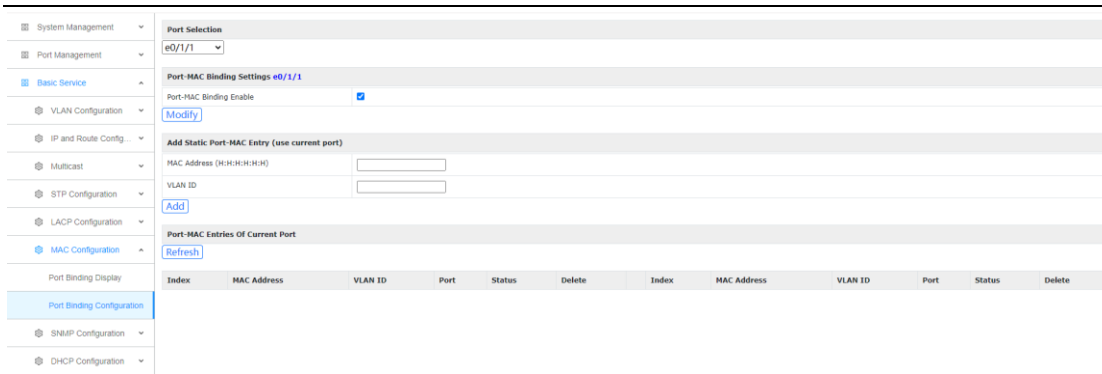


Figure 4-14

## 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 Community Configuration

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

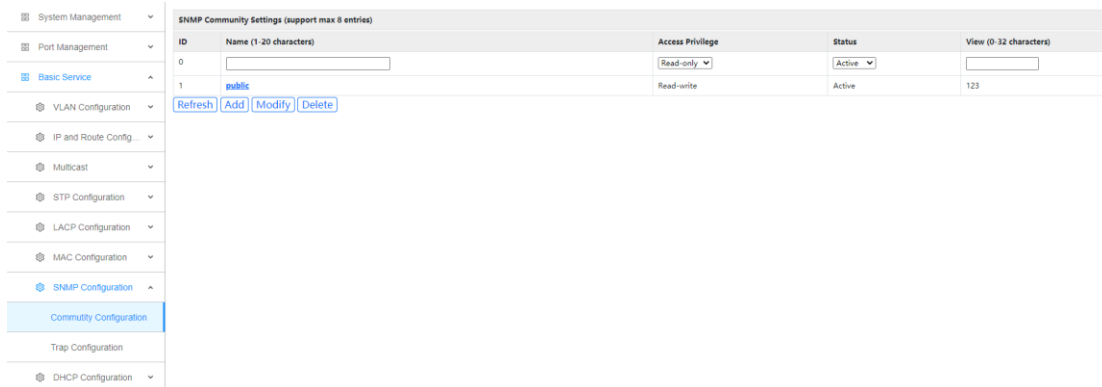


Figure 4-15

### 4.7.2 Trap Configuration

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

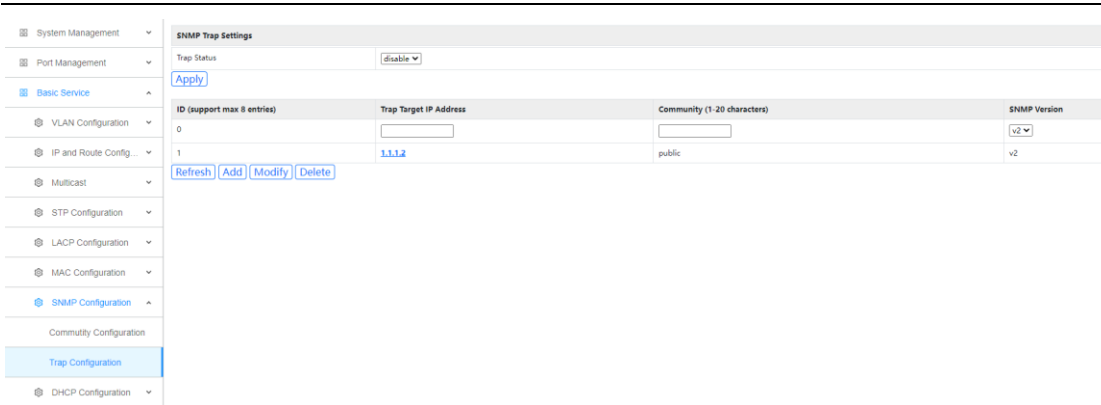


Figure 4-16

## 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.

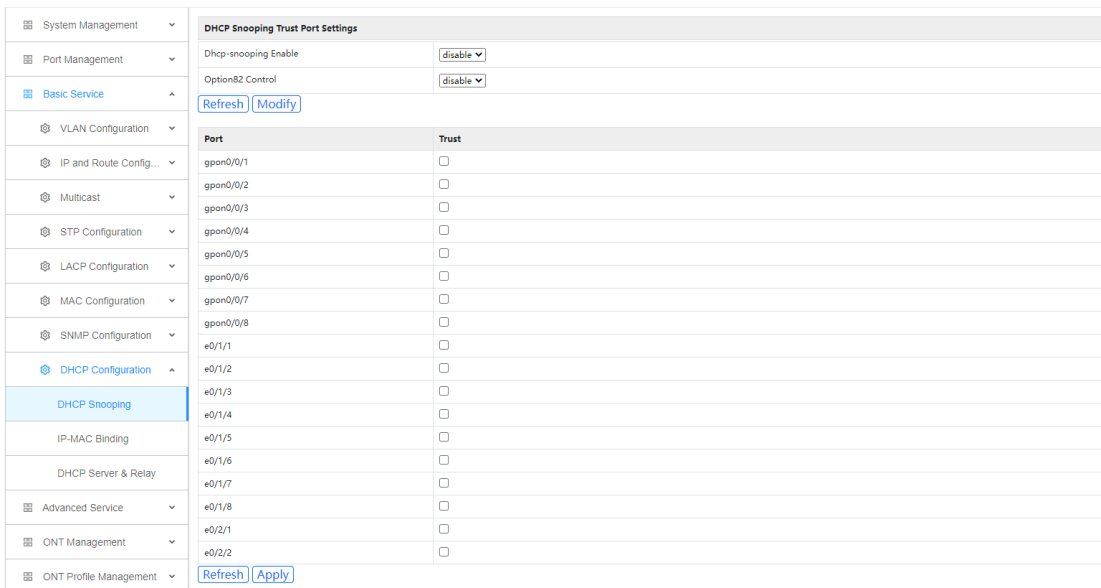


Figure 4-17

### 4.8.2 IP-Mac Binding

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.

The screenshot shows the 'IP-MAC Binding' configuration page. On the left is a navigation menu with categories like System Management, Port Management, Basic Service, VLAN Configuration, IP and Route Config..., Multicast, STP Configuration, LACP Configuration, MAC Configuration, SNMP Configuration, and DHCP Configuration. The 'DHCP Configuration' category is expanded, showing 'DHCP Snooping' and 'IP-MAC Binding' (which is selected).

The main content area is titled 'System Security Settings' and includes a checkbox for 'Disable Unbinding Entry To Access Network'. Below this is the 'Add IP-MAC-PORT-VLAN Binding Entry' section with input fields for IP Address, MAC Address (HH:HH:HH:HH:HH:HH), Port (set to 'gpon0/0/1'), and VLAN ID. A 'Refresh' button is located below the form.

The 'Binding Table' section contains a table with the following data:

IP Address	MAC Address	Port	VLAN ID	Binding Status	Delete
1.1.1.1	00:00:00:00:00:12	gpon0/0/1	1	YES	Delete

Buttons for 'One Click Binding' and 'One Click Unbinding' are located above the table, and a 'Refresh' button is below it.

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.

The screenshot shows the 'DHCP Server & Relay' configuration page. The left navigation menu is similar to Figure 4-18, with 'DHCP Configuration' expanded to show 'DHCP Snooping', 'IP-MAC Binding', and 'DHCP Server & Relay' (selected).

The main content area is divided into three sections:

- DHCP Server configuration:** Includes 'Server Select' (Server-1), 'GROUP ID' (1), and 'Server IP' (1.1.1.1). Buttons for 'Refresh', 'New', 'Apply', and 'Delete' are present.
- DHCP-Server Binding:** Includes 'VLAN Interface ID' (IF-10) and 'DHCP-Server Group ID' (1). Buttons for 'Bind' and 'DeBind' are present.
- DHCP Relay configuration:** Includes 'DHCP-Relay Enable' (enable). An 'Apply' button is present.

Figure 4-19

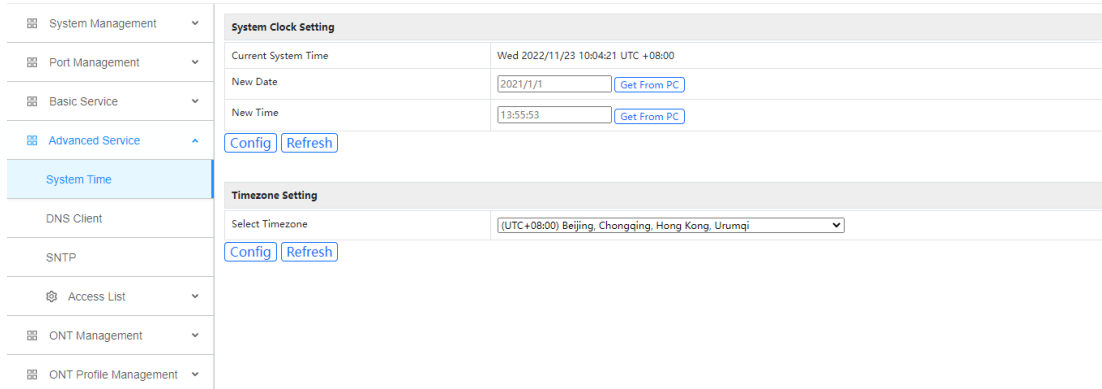


# Chapter 5 Advance Service

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

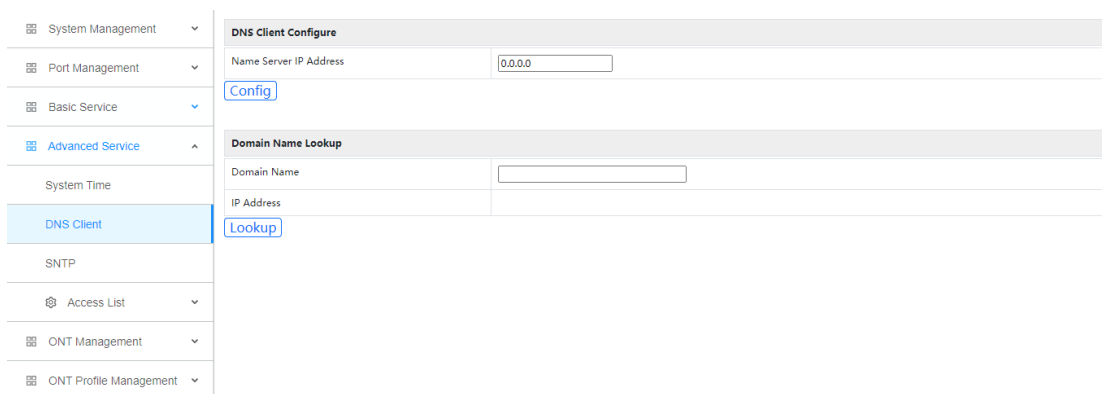


The screenshot shows a web interface for configuring system time and time zone. On the left is a navigation menu with categories like System Management, Port Management, Basic Service, and Advanced Service. The 'Advanced Service' menu is expanded to show 'System Time'. The main content area is divided into two sections: 'System Clock Setting' and 'Timezone Setting'. The 'System Clock Setting' section includes fields for 'Current System Time' (Wed 2022/11/23 10:04:21 UTC +08:00), 'New Date' (2021/1/1), and 'New Time' (13:55:53), each with a 'Get From PC' button. Below these are 'Config' and 'Refresh' buttons. The 'Timezone Setting' section has a 'Select Timezone' dropdown menu currently set to '(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi', with 'Config' and 'Refresh' buttons below it.

Figure 5-1

## 5.2 DNS Client

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



The screenshot shows a web interface for configuring DNS client settings. The left navigation menu is expanded to 'Advanced Service' and then 'DNS Client'. The main content area has two sections: 'DNS Client Configure' and 'Domain Name Lookup'. The 'DNS Client Configure' section has a 'Name Server IP Address' field with the value '0.0.0.0' and a 'Config' button below it. The 'Domain Name Lookup' section has 'Domain Name' and 'IP Address' fields, with a 'Lookup' button below them.

Figure 5-2

## 5.3 SNTP

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

System Management	<b>SNTP Client</b>				
Port Management	Client Enable <input checked="" type="checkbox"/>				
Basic Service	Client Mode <b>multicast</b>				
Advanced Service	<a href="#">Refresh</a> <a href="#">Apply</a>				
System Time	<b>Valid Server List</b>				
DNS Client	Any server will be accepted if empty configuration.				
<b>SNTP</b>	<table border="1"> <tr> <th>Server IP</th> <th>Mask</th> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table>	Server IP	Mask	<input type="text"/>	<input type="text"/>
Server IP	Mask				
<input type="text"/>	<input type="text"/>				
Access List	<a href="#">Add</a> <a href="#">Del</a> <a href="#">DelAll</a>				

Figure 5-3

## 5.4 Access List

### 5.4.1 Classifier

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

System Management	<b>Named ACL Classifier</b>	
Port Management	Active	<input type="checkbox"/>
Basic Service	Name	<input type="text"/>
Advanced Service	Layer 2	VLAN <input type="radio"/> Any <input type="radio"/> <input type="text"/> Priority <input type="radio"/> Any <input type="radio"/> 0 Ethernet Type <input checked="" type="radio"/> All <input type="radio"/> Others <input type="text"/> (Hex) Source MAC Address <input checked="" type="radio"/> Any <input type="radio"/> MAC <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> Physical Port <input checked="" type="radio"/> Any <input type="radio"/> <input type="text"/> Destination MAC Address <input checked="" type="radio"/> Any <input type="radio"/> MAC <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> : <input type="text"/> Physical Port <input checked="" type="radio"/> Any <input type="radio"/> <input type="text"/> <input type="radio"/> CPU
System Time	Layer 3/4	DSCP <input checked="" type="radio"/> Any <input type="radio"/> <input type="text"/> IP Protocol <input checked="" type="radio"/> All <input type="checkbox"/> Establish Only <input type="radio"/> Others <input type="text"/> (Dec) Source IP Address / Address Prefix <input type="text"/> 0.0.0.0 / <input type="text"/> L4 Port Number <input checked="" type="radio"/> Any <input type="radio"/> <input type="text"/> Destination IP Address / Address Prefix <input type="text"/> 0.0.0.0 / <input type="text"/> L4 Port Number <input checked="" type="radio"/> Any <input type="radio"/> <input type="text"/>
DNS Client	<a href="#">Add</a> <a href="#">Modify</a> <a href="#">Cancel</a> <a href="#">Refresh</a>	
SNTP	<b>Index</b>	<b>Active</b>
Access List	<b>Name:SubItem</b>	<b>Rule</b>
Classifier	<a href="#">Delete</a> <a href="#">Cancel</a>	
Policy		
ONT Management		
ONT Profile Management		

Figure 5-4

### 5.4.2 Policy

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

- 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	<input type="checkbox"/>		
Name	<input style="width: 90%;" type="text"/>		
Classifier(s)	<div style="border: 1px solid #ccc; height: 20px; width: 100%;"></div>		
Parameters	General	Bandwidth	Rate Limit
	Egress Port	1	<input style="width: 50px;" type="text"/> Kbps
	Priority	0 ▾	
	DSCP	<input style="width: 50px;" type="text"/>	
	TOS	0 ▾	
Action	Forwarding		
	<input checked="" type="radio"/> No change		
	<input type="radio"/> Discard the packet		
	Priority		
	<input checked="" type="radio"/> No change		
	<input type="radio"/> Set the packet's 802.1p priority and send the packet to priority queue		
	Diffserv		
	<input checked="" type="radio"/> No change		
	<input type="radio"/> Set the packet's TOS field		
	<input type="radio"/> Set the Diffserv Codepoint field in the frame		
Outgoing			
<input type="checkbox"/> Send the packet to the egress port			
Rate Limit			
<input type="checkbox"/> Enable			

Index	Active	Name	Classifier(s)
<input type="button" value="Delete"/> <input type="button" value="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.

<ul style="list-style-type: none"> <li>System Management</li> <li>Port Management</li> <li>Basic Service</li> <li>Advanced Service</li> <li><b>ONT Management</b> <ul style="list-style-type: none"> <li><b>Auto Find</b></li> <li>Auto Config</li> <li>Silent</li> <li>FEC</li> <li>Deactive</li> </ul> </li> </ul>	<table border="1"> <thead> <tr> <th colspan="7">ONT Auto Find Configuration</th> </tr> <tr> <th>Port</th> <th>Auto Find</th> <th>Interval(s)</th> <th>List Age</th> <th>Age Time(s)</th> <th>Min Distance(km)</th> <th>Max Distance(km)</th> </tr> </thead> <tbody> <tr> <td>gpon0/0/1</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/2</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/3</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/4</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/5</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/6</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/7</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> <tr> <td>gpon0/0/8</td> <td>on</td> <td>20</td> <td>off</td> <td>300</td> <td>0</td> <td>20</td> </tr> </tbody> </table> <p>Apply Reset</p>	ONT Auto Find Configuration							Port	Auto Find	Interval(s)	List Age	Age Time(s)	Min Distance(km)	Max Distance(km)	gpon0/0/1	on	20	off	300	0	20	gpon0/0/2	on	20	off	300	0	20	gpon0/0/3	on	20	off	300	0	20	gpon0/0/4	on	20	off	300	0	20	gpon0/0/5	on	20	off	300	0	20	gpon0/0/6	on	20	off	300	0	20	gpon0/0/7	on	20	off	300	0	20	gpon0/0/8	on	20	off	300	0	20
ONT Auto Find Configuration																																																																							
Port	Auto Find	Interval(s)	List Age	Age Time(s)	Min Distance(km)	Max Distance(km)																																																																	
gpon0/0/1	on	20	off	300	0	20																																																																	
gpon0/0/2	on	20	off	300	0	20																																																																	
gpon0/0/3	on	20	off	300	0	20																																																																	
gpon0/0/4	on	20	off	300	0	20																																																																	
gpon0/0/5	on	20	off	300	0	20																																																																	
gpon0/0/6	on	20	off	300	0	20																																																																	
gpon0/0/7	on	20	off	300	0	20																																																																	
gpon0/0/8	on	20	off	300	0	20																																																																	

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.

<ul style="list-style-type: none"> <li>System Management</li> <li>Port Management</li> <li>Basic Service</li> <li>Advanced Service</li> <li><b>ONT Management</b> <ul style="list-style-type: none"> <li>Auto Find</li> <li><b>Auto Config</b></li> <li>Silent</li> <li>FEC</li> <li>Deactive</li> </ul> </li> </ul>	<table border="1"> <thead> <tr> <th colspan="5">ONT Auto Configuration Global Switch</th> </tr> </thead> <tbody> <tr> <td>Global Switch</td> <td colspan="4">on</td> </tr> </tbody> </table> <p>Apply Reset</p> <table border="1"> <thead> <tr> <th colspan="5">ONT Auto Configuration Operation</th> </tr> <tr> <th>Index</th> <th>Name</th> <th>Equipment ID</th> <th>Smart Match / Line Profile</th> <th>PON Type</th> </tr> </thead> <tbody> <tr> <td>0</td> <td></td> <td>all-ont</td> <td>auto</td> <td>GPON</td> </tr> </tbody> </table> <p>Apply Reset</p> <table border="1"> <thead> <tr> <th colspan="6">ONT Auto Configuration List</th> </tr> <tr> <th>Index</th> <th>Name</th> <th>Equipment ID</th> <th>Smart Match / Line Profile</th> <th>PON Type</th> <th>Delete</th> </tr> </thead> <tbody> <tr> <td>1023</td> <td>AUTO_CONFIG_1023</td> <td>all-ont</td> <td>smart-match</td> <td></td> <td>no</td> </tr> </tbody> </table> <p>Delete Delete All</p>	ONT Auto Configuration Global Switch					Global Switch	on				ONT Auto Configuration Operation					Index	Name	Equipment ID	Smart Match / Line Profile	PON Type	0		all-ont	auto	GPON	ONT Auto Configuration List						Index	Name	Equipment ID	Smart Match / Line Profile	PON Type	Delete	1023	AUTO_CONFIG_1023	all-ont	smart-match		no
ONT Auto Configuration Global Switch																																												
Global Switch	on																																											
ONT Auto Configuration Operation																																												
Index	Name	Equipment ID	Smart Match / Line Profile	PON Type																																								
0		all-ont	auto	GPON																																								
ONT Auto Configuration List																																												
Index	Name	Equipment ID	Smart Match / Line Profile	PON Type	Delete																																							
1023	AUTO_CONFIG_1023	all-ont	smart-match		no																																							

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.

ONT Silent Configuration				
Port	Auth-Fail Switch	Auth-Fail Time(s)	Offline Switch	Offline Time(s)
gpon0/0/1	off	60	off	20
gpon0/0/2	off	60	off	20
gpon0/0/3	off	60	off	20
gpon0/0/4	off	60	off	20
gpon0/0/5	off	60	off	20
gpon0/0/6	off	60	off	20
gpon0/0/7	off	60	off	20
gpon0/0/8	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.

ONT FEC Configuration	
Port	FEC
gpon0/0/1	off
gpon0/0/2	off
gpon0/0/3	off
gpon0/0/4	off
gpon0/0/5	off
gpon0/0/6	off
gpon0/0/7	off
gpon0/0/8	off

Apply Reset

Figure 6-4

## 6.5 Deactive

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

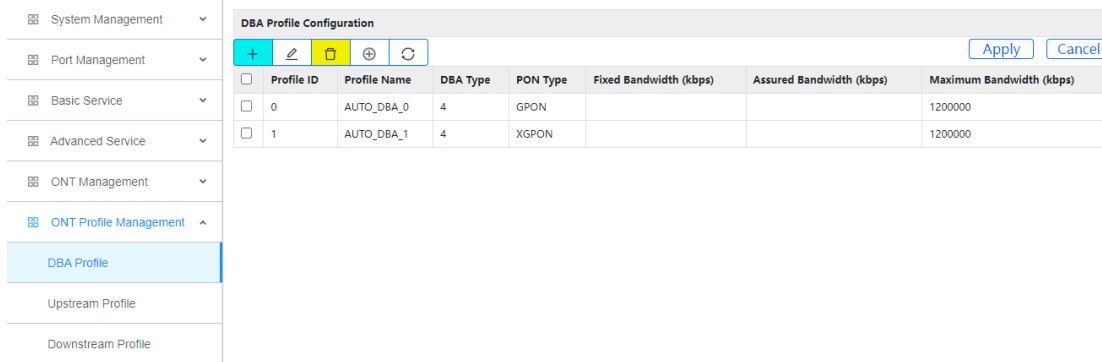
ONT Deactive	
ONT List	0/1/1,0/3/1,0/6/1-0/8/8
Active Deactive	
ONT Deactive List	
ONT List	0/1/1
Refresh	

Figure 6-5

# Chapter 7 ONT Profile Management

## 7.1 DBA Profile

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

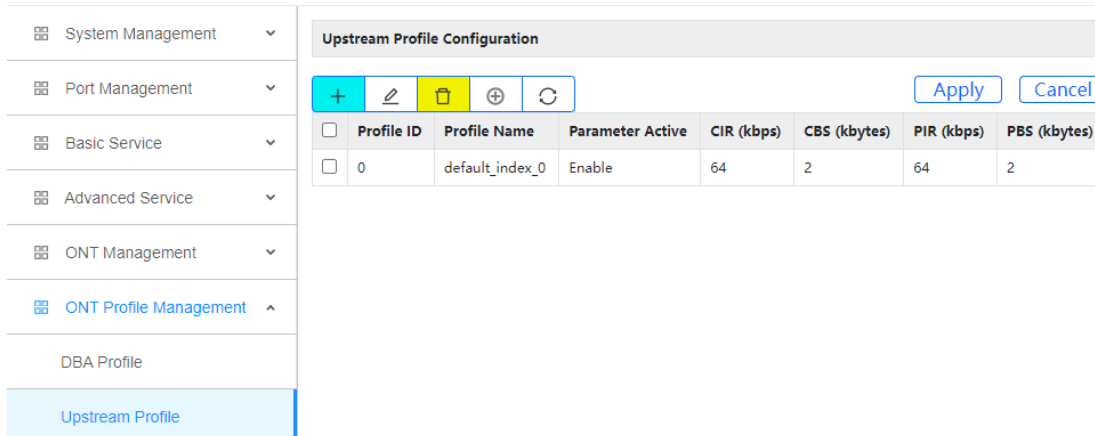


Profile ID	Profile Name	DBA Type	PON Type	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Maximum Bandwidth (kbps)
0	AUTO_DBA_0	4	GPON			1200000
1	AUTO_DBA_1	4	XGPON			1200000

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.

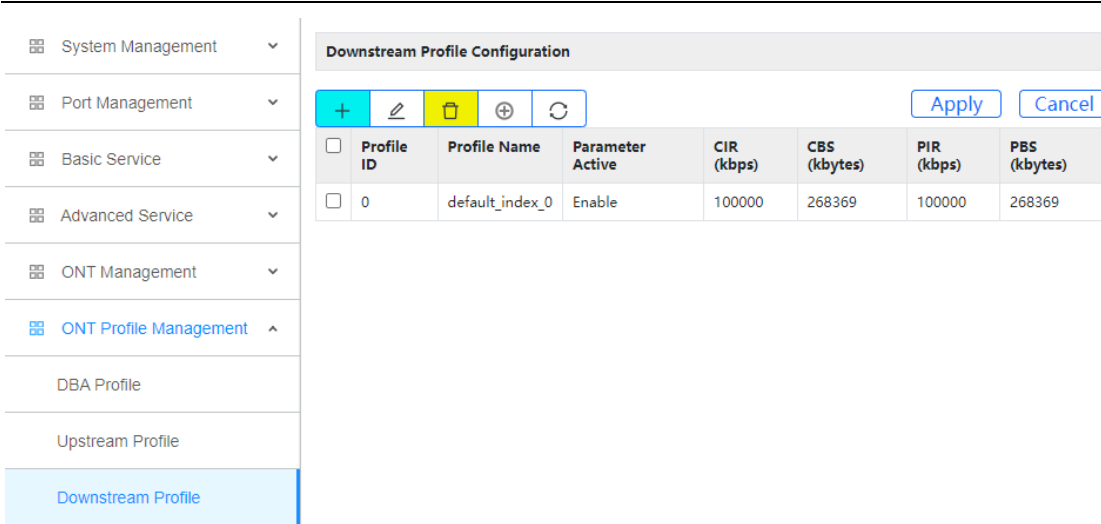


Figure 7-3

## 7.4 VLAN Profile

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

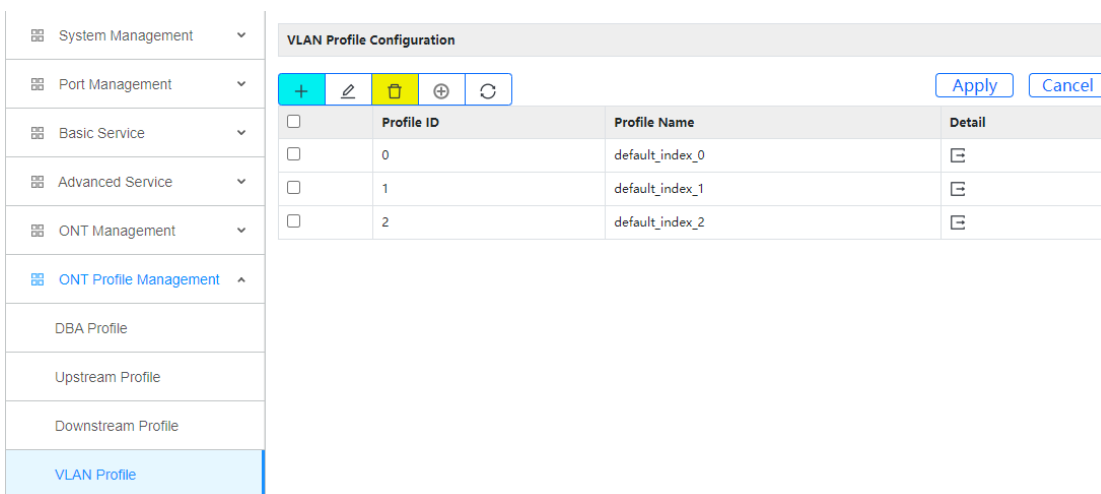


Figure 7-4

### 7.4.1 VLAN Profile Configuration

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

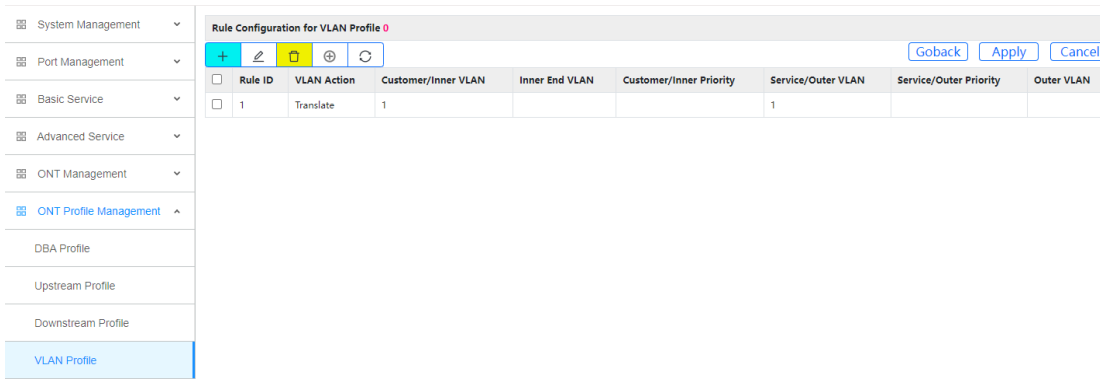


Figure 7-5

## 7.5 Line Profile

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

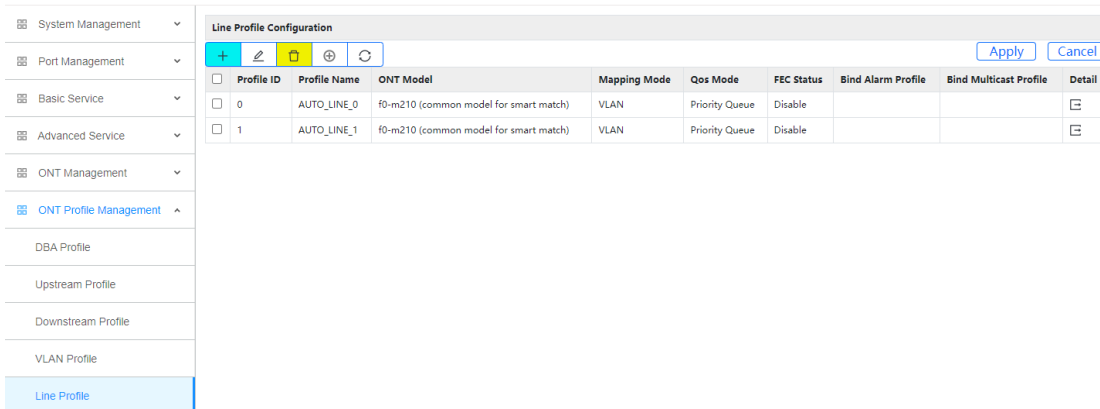


Figure 7-6

### 7.5.1 T-CONT

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

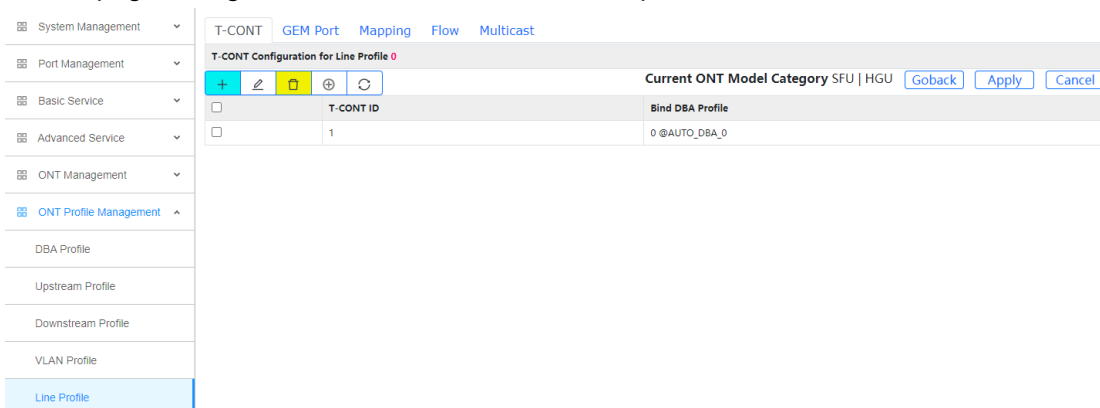


Figure 7-7



## 7.5.2 GEM Port Configuration

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

GEM Port ID	Bind T-CONT ID	Bind VLAN Profile	Bind Upstream Profile	Bind Downstream Profile
1	1	VLAN Profile 0 @AUTO_VLAN_0		

Figure 7-8

## 7.5.3 Mapping Configuration

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

Mapping ID	Mapping Port	Mapping VLAN	Mapping Priority	Mapping GEM Port
0		1		1

Figure 7-9

## 7.5.4 Flow Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Flow  
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 | GEM Port | Mapping | Flow | **Multicast**

Flow Configuration for Line Profile 0

Current ONT Model Category SFU | HGU | [Goback](#) | [Apply](#) | [Cancel](#)

Flow ID	Flow Port	VLAN Action	Customer VLAN	Customer Priority	Service VLAN	Service Priority
<input type="checkbox"/> 0	Eth 1	Tag			1	
<input type="checkbox"/> 1	Eth 2	Tag			1	
<input type="checkbox"/> 2	Eth 3	Tag			1	
<input type="checkbox"/> 3	Eth 4	Tag			1	

Figure 7-10

## 7.5.5 Multicast Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Multicast
2. This page configures the ONT Multicast strategy.

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 | GEM Port | Mapping | Flow | **Multicast**

Multicast Configuration for Line Profile 0

Current ONT Model Category SFU | HGU | [Goback](#) | [Apply](#) | [Cancel](#)

ONT Port	Multicast Mode	Fast Leave	Group Limit	Upstream Tag Mode	Upstream Tag VLAN	Upstream Tag Priority	Downstream Tag Mode	Downstream Tag VLAN	Downstream Tag Priority
<input type="checkbox"/> 1	Igmp-snooping						Untag		

Figure 7-11

## 7.6 Rule Profile

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

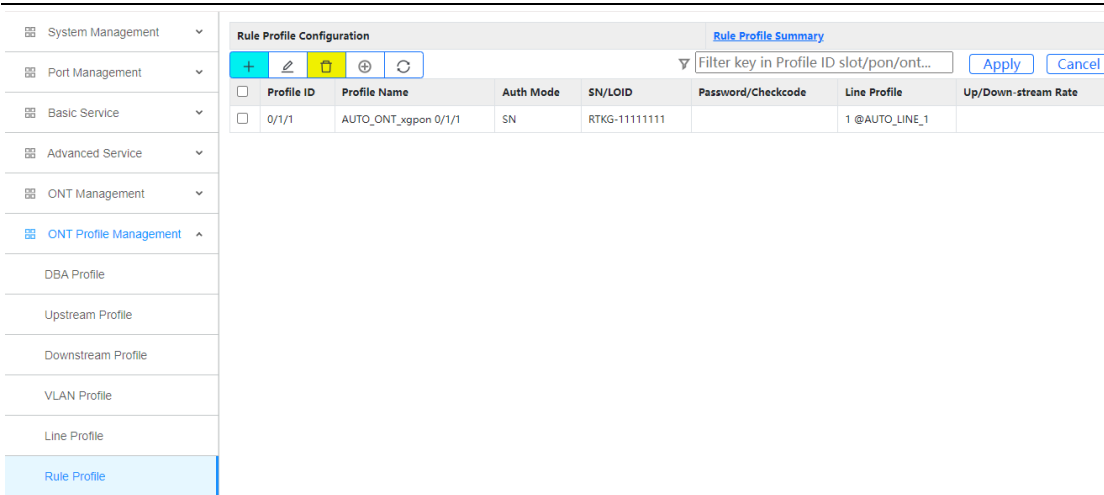


Figure 7-12

## 7.6.1 Rule Profile Summary

1. Click Config->ONT Profile Management->Rule Profile Summary
2. This page display rule profile summary.

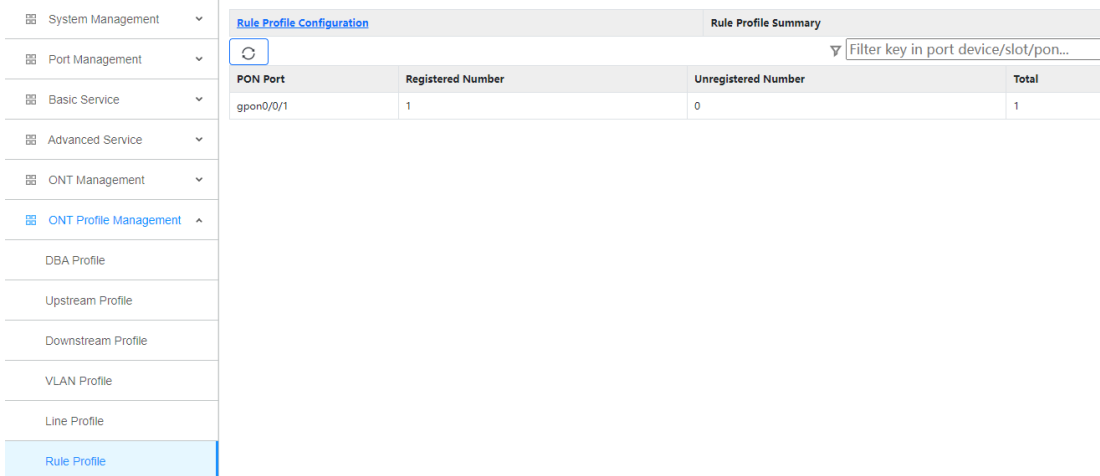


Figure 7-13

## 7.7 Specific Profile

1. Click Config->ONT Profile 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).

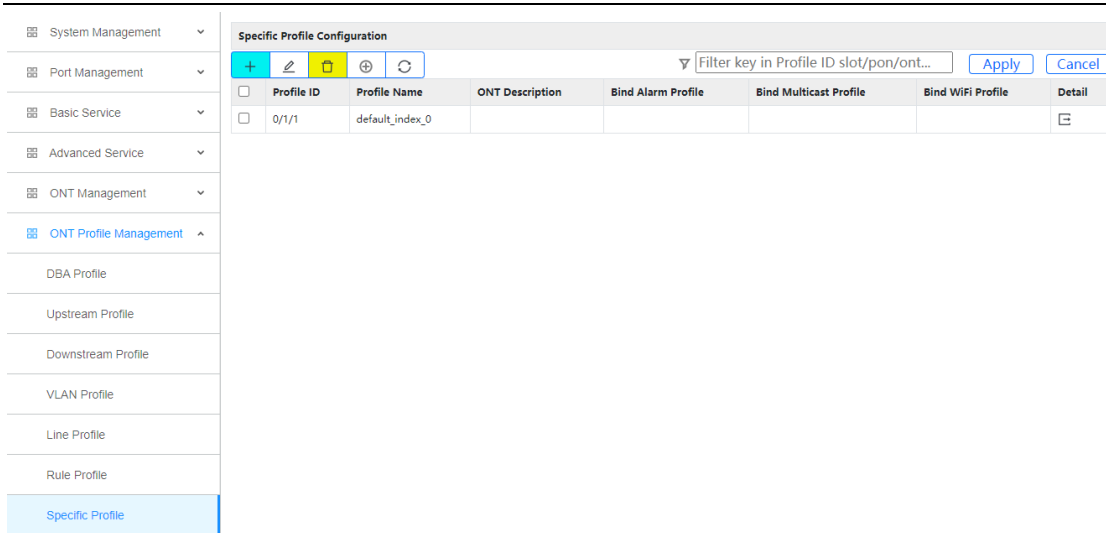


Figure 7-14

## 7.7.1 T-CONT

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

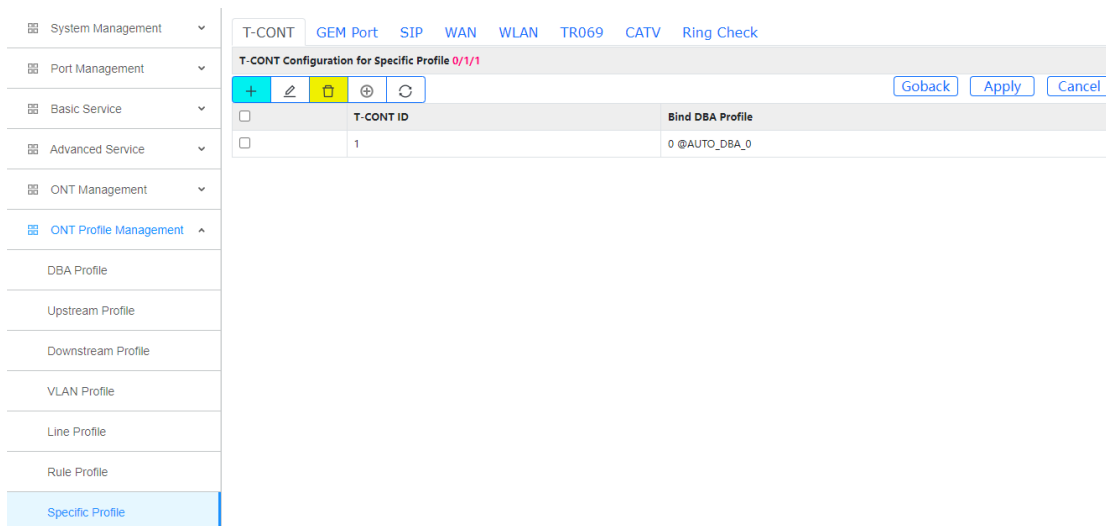


Figure 7-15

## 7.7.2 GEM Port

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

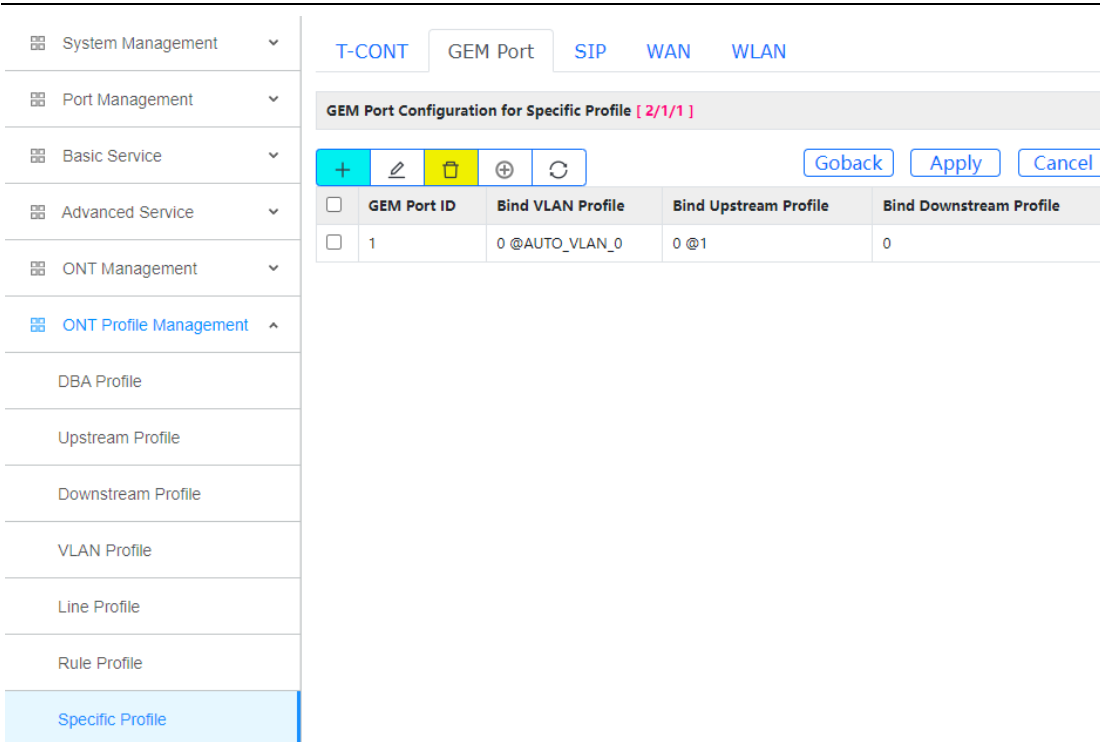


Figure 7-16

## 7.7.3 SIP

1. Click Config->ONT Profile 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.

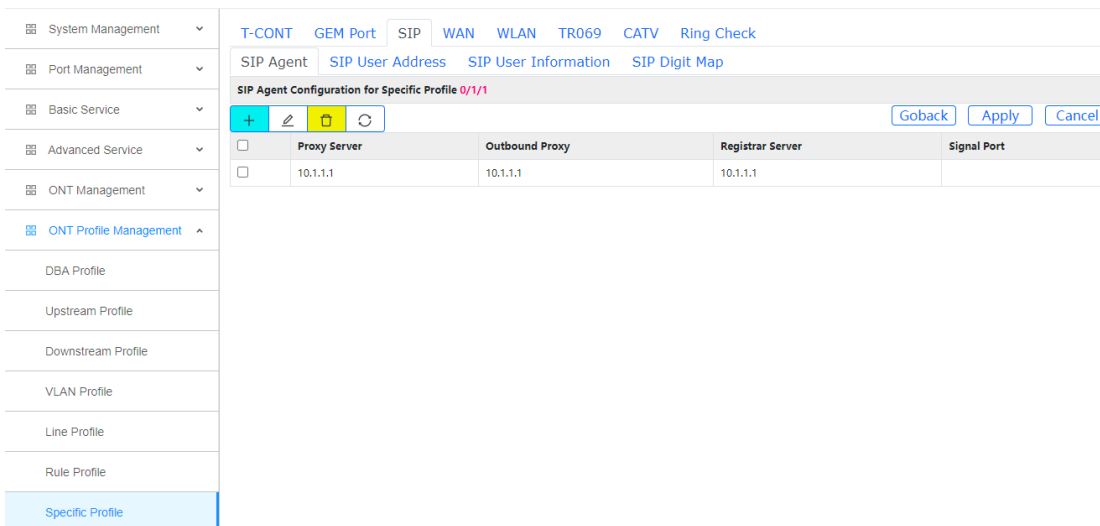


Figure 7-17

### 7.7.3.1 SIP User Address

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

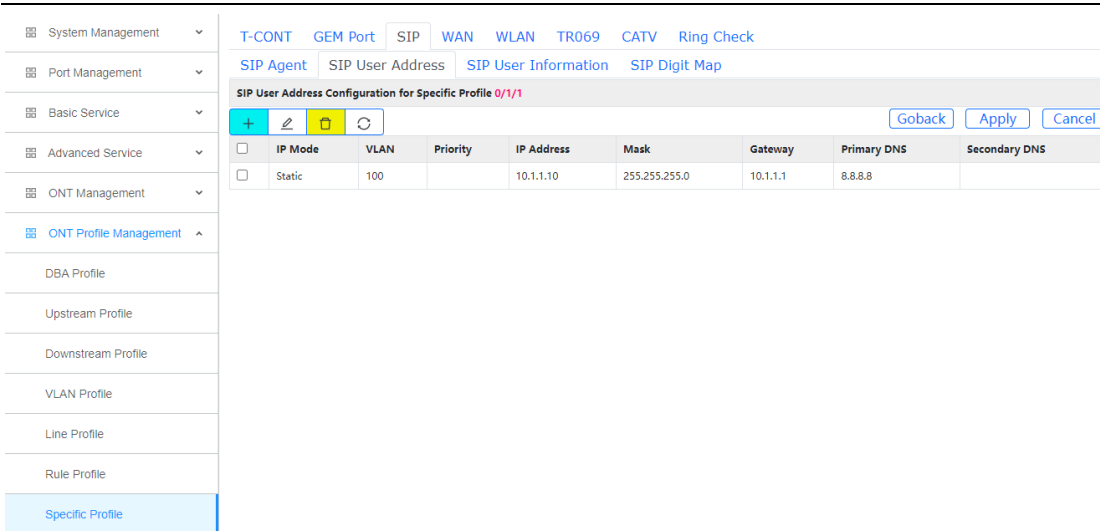


Figure 7-18

### 7.7.3.2 SIP User Information

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

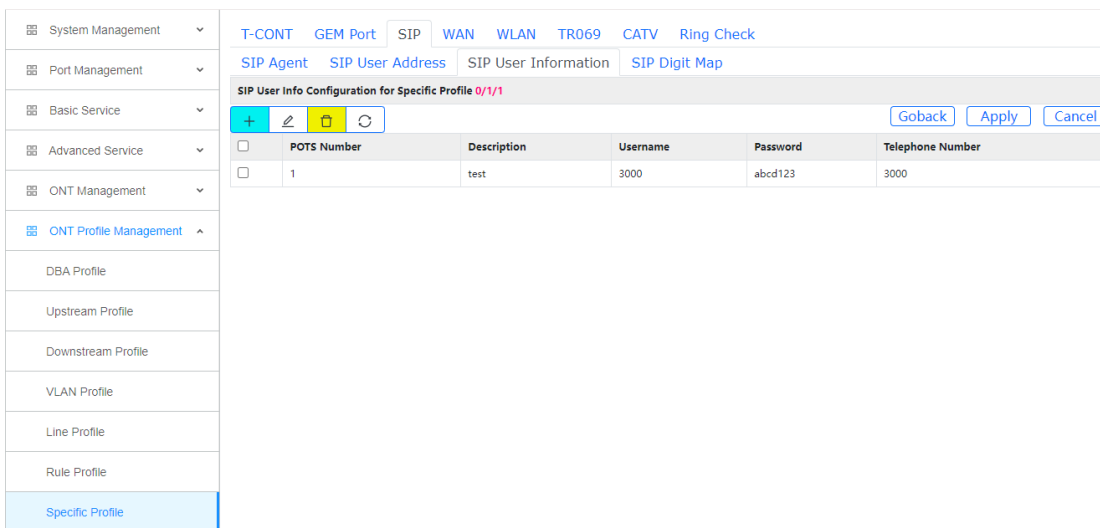


Figure 7-19

### 7.7.3.3 SIP Digit Map

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

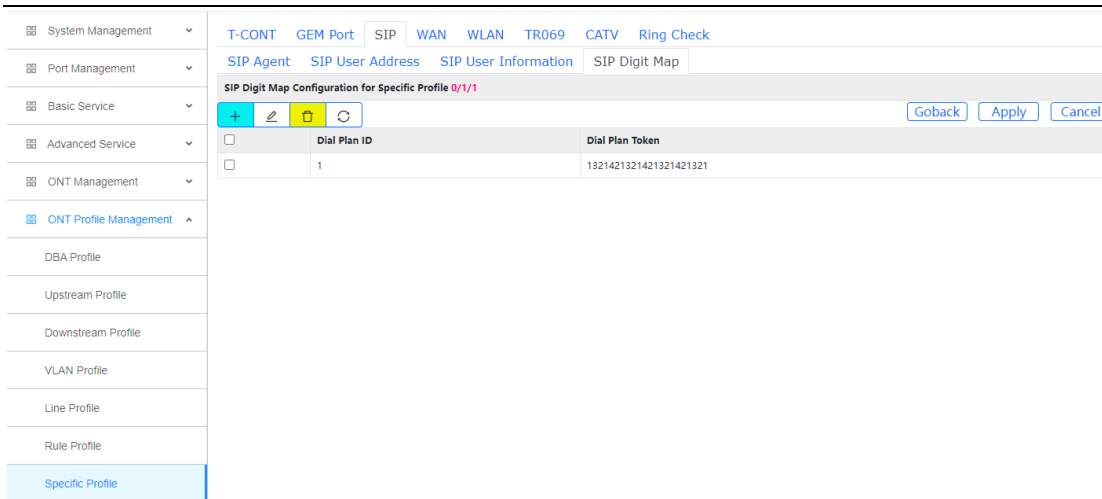


Figure 7-20

## 7.7.4 WAN

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

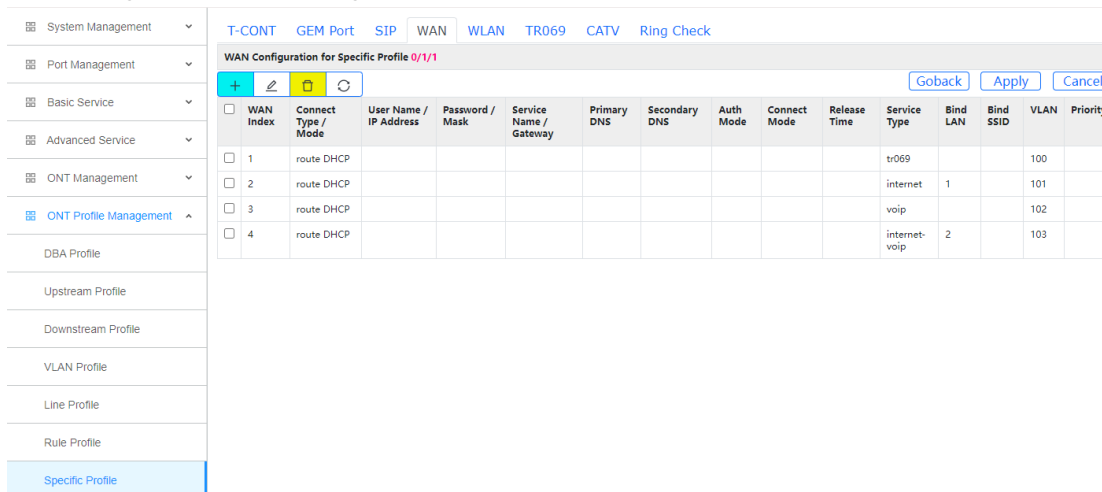


Figure 7-21

## 7.7.5 WLAN

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

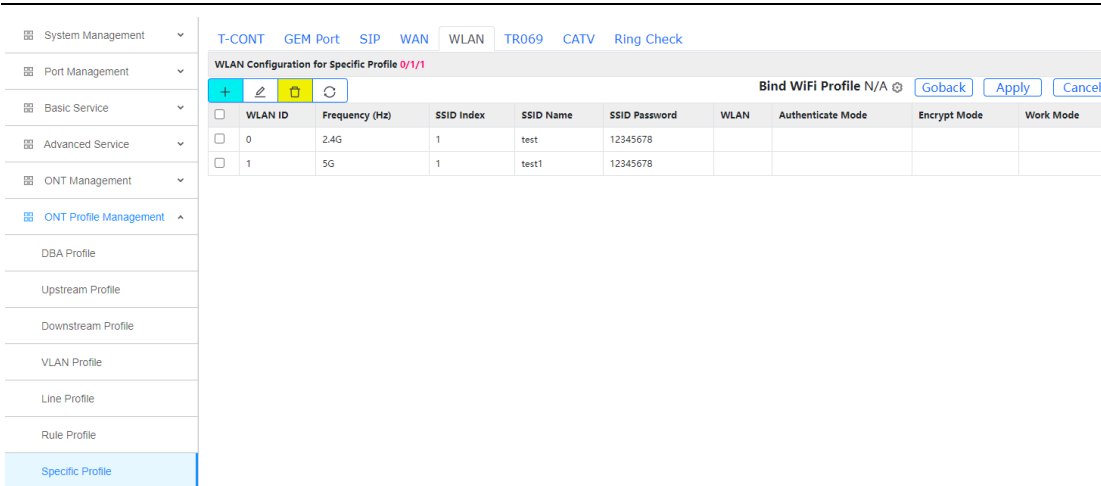


Figure 7-22

## 7.7.6 TR069

1. Click Config->ONT Profile Management->Specific Profile->Detail->TR069->TR069 STUN
2. This page is used to configure TR069 STUN.

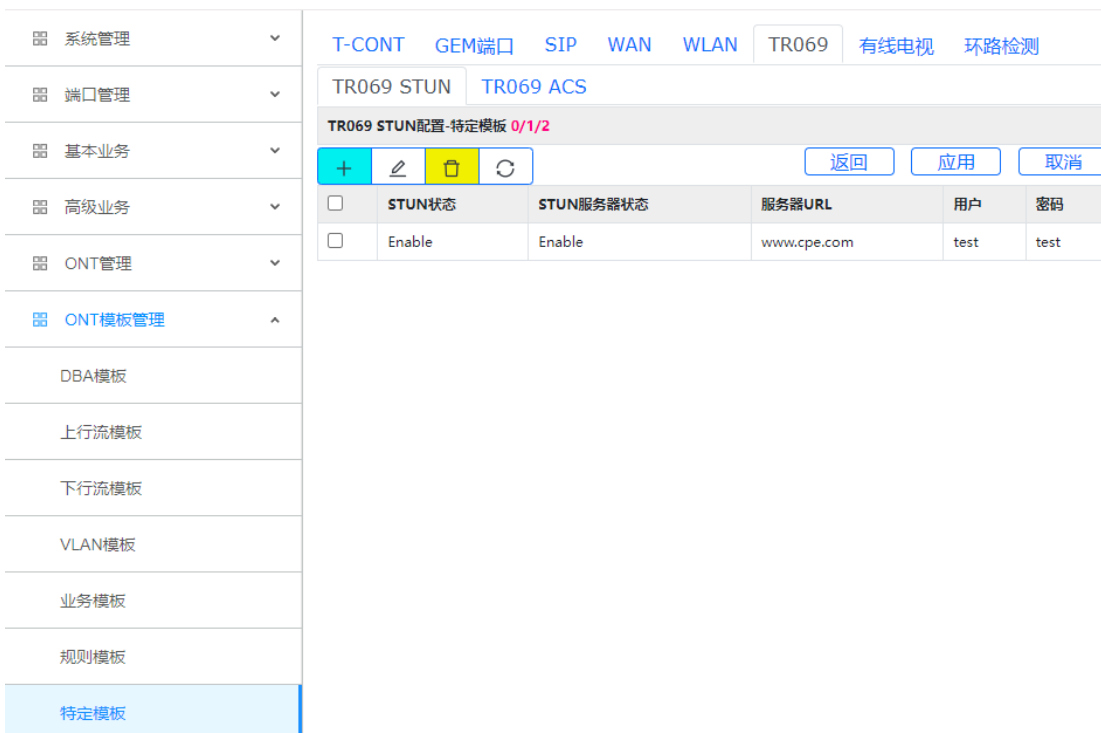


Figure 7-23

### 7.7.6.1 TR069 ACS

1. Click Config->ONT Profile Management->Specific Profile->Detail->TR069->TR069 ACS
2. This page is used to configure TR069 ACS.



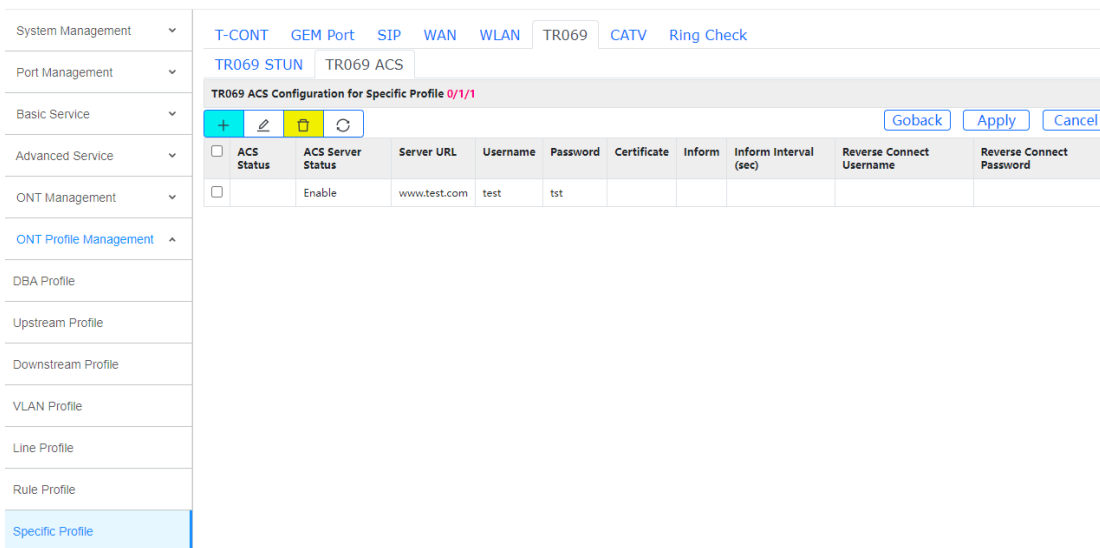


Figure 7-24

## 7.7.7 CATV

1. Click Config->ONT Profile Management->Specific Profile->Detail->CATV
2. This page is used to configure CATV functions.

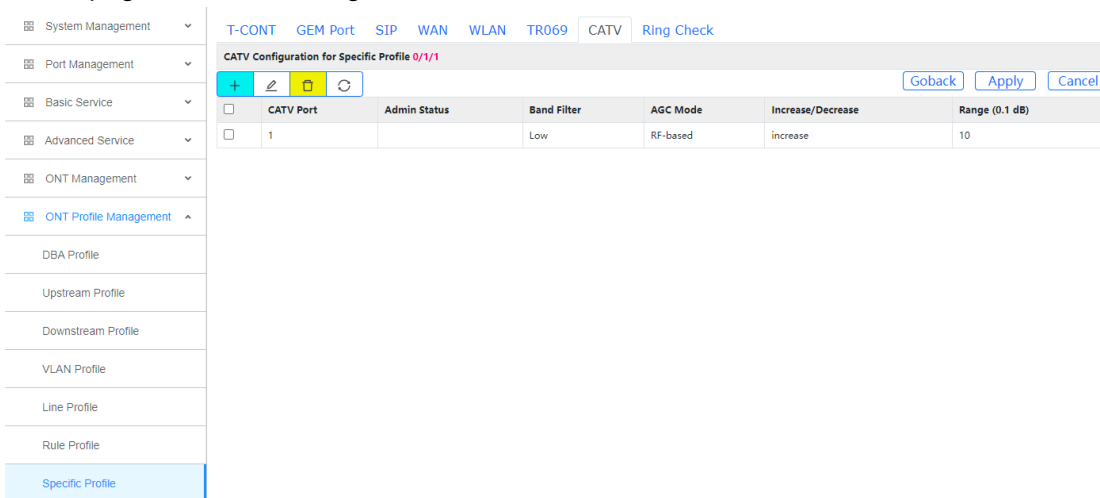


Figure 7-25

## 7.7.5 Ring Check

1. Click Config->ONT Profile Management->Specific Profile->Detail->Ring Check
2. This page is used to configure the loop detection function of ONT.

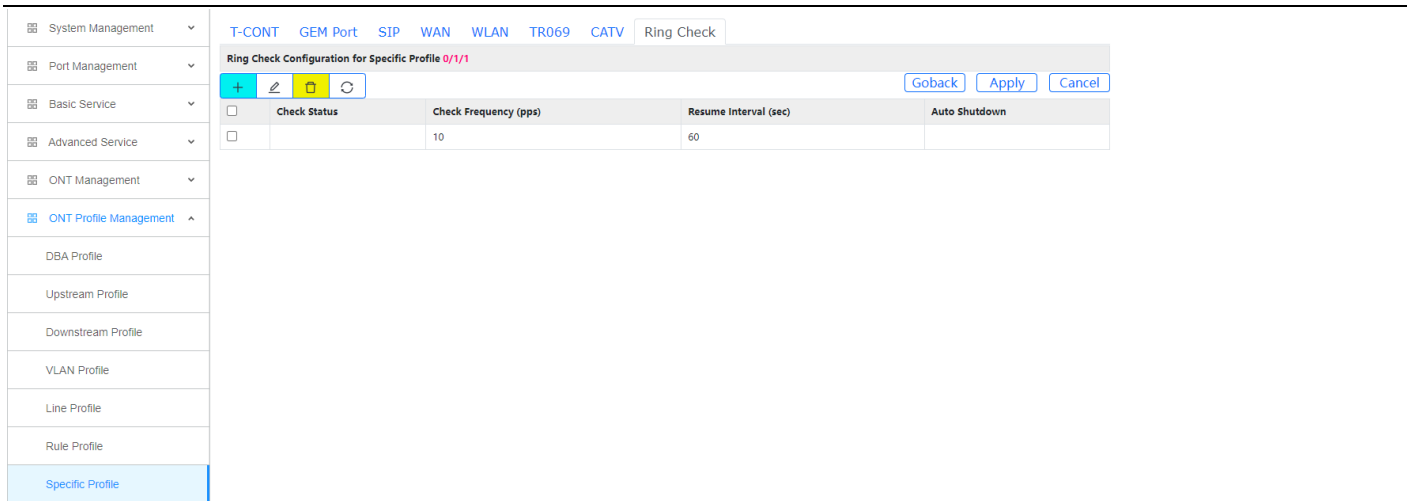


Figure 7-26

## 7.7 Alarm Profile

1. Click Config->ONT Profile 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.

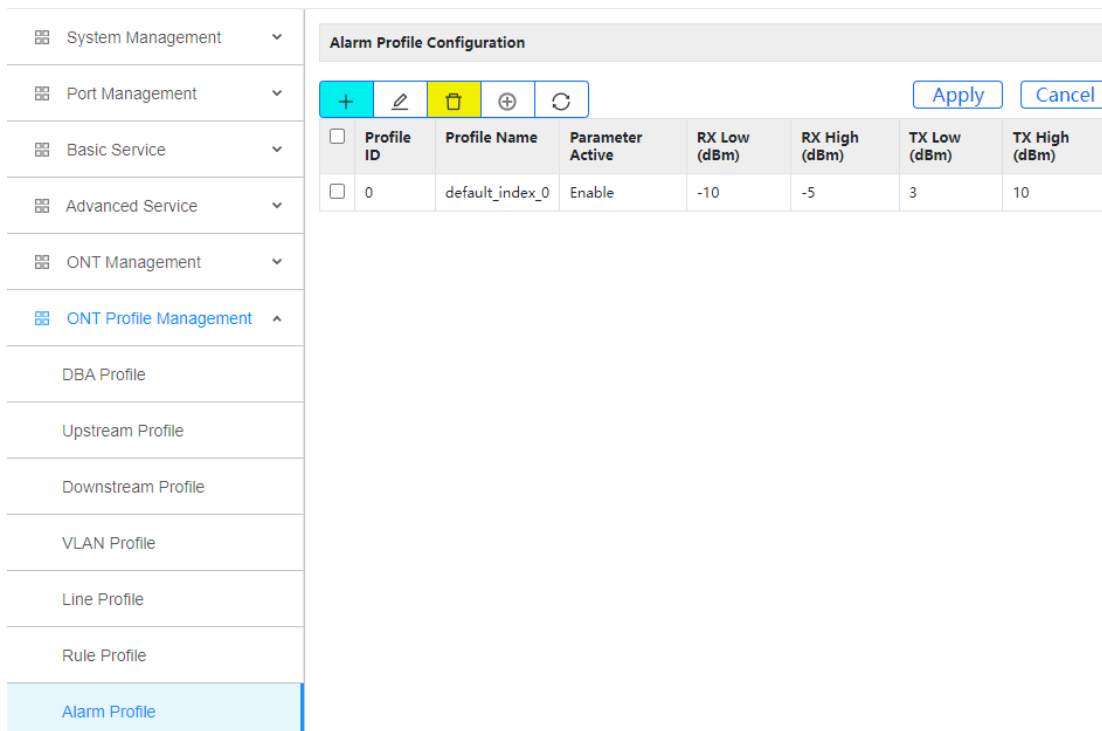


Figure 7-27

## 7.8 Multicast Profile

1. Click Config->ONT Profile 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.

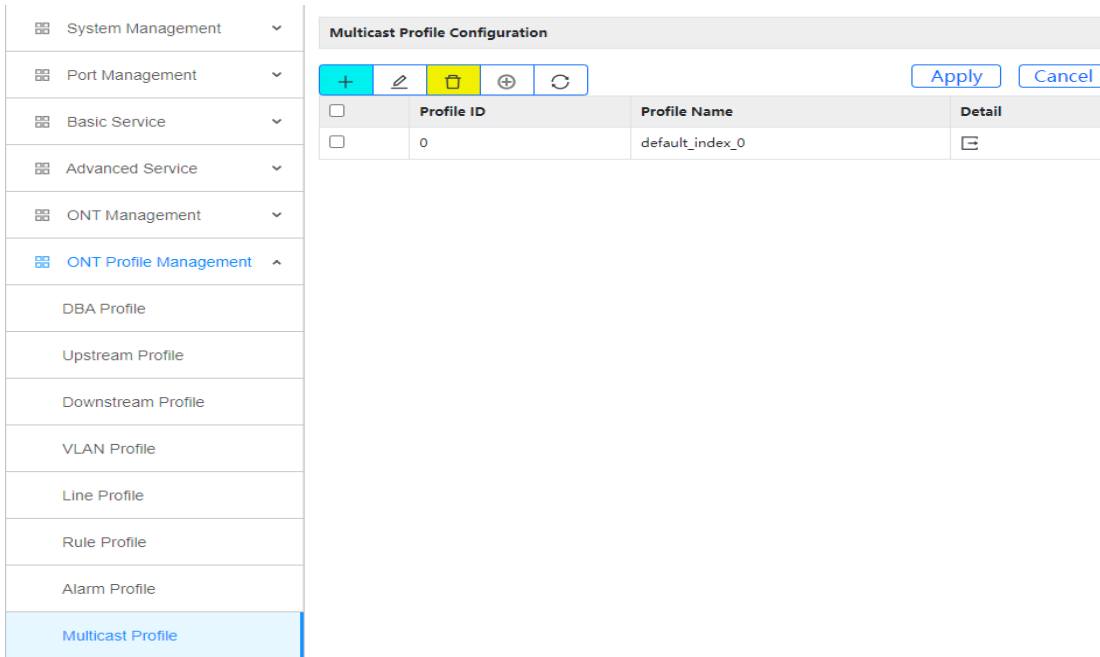


Figure 7-28

## 7.8.1 Multicast Profile Configuration

1.Click Config->ONT Profile Management->Multicast Profile->Detail

2.This page is used to configure the multicast profile.

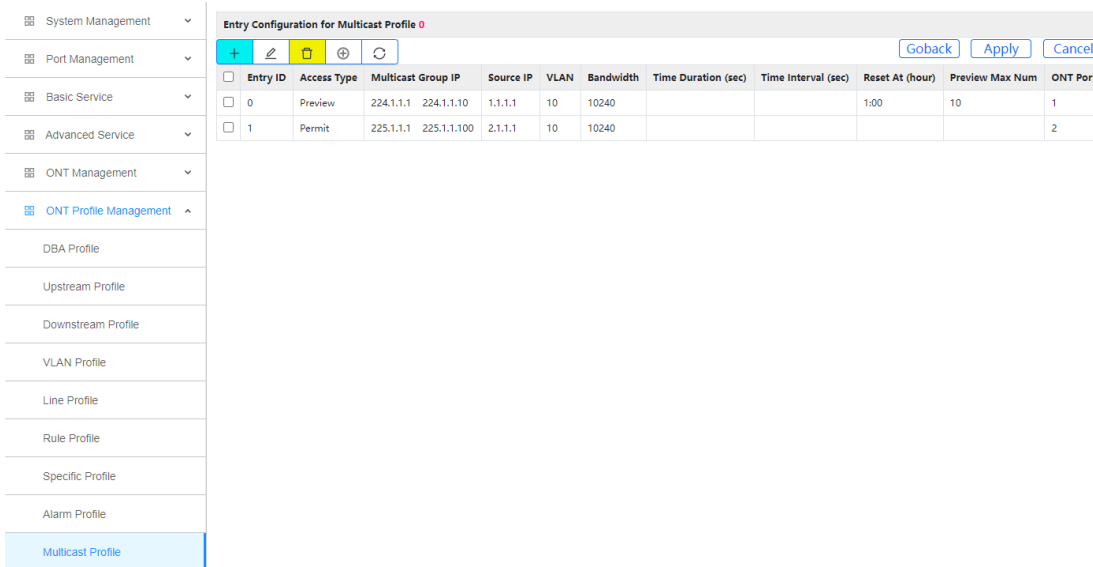


Figure 7-29

## 7.10 WIFI Profile

1.Click Config->ONT Profile Management->WIFI Profile

2.This page is used to configure the WIFI profile.

WiFi Profile Configuration										
Profile ID	Profile Name	Parameter Active	2.4G Frequency (Hz)	2.4G Channel	2.4G Bandwidth (MHz)	2.4G TX Power (%)	5G Frequency (Hz)	5G Channel	5G Bandwidth (MHz)	5G TX Power (%)
0	default_index_0	Enable					5G	165	80	100
1	default_index_1	Enable	2.4G	auto	40	35				

Figure 7-30

## 7.11 ONT Profile Relation

1. Click Config->ONT Profile Management->ONT Profile Relation
2. This page is used to view and modify ONT template relationships.

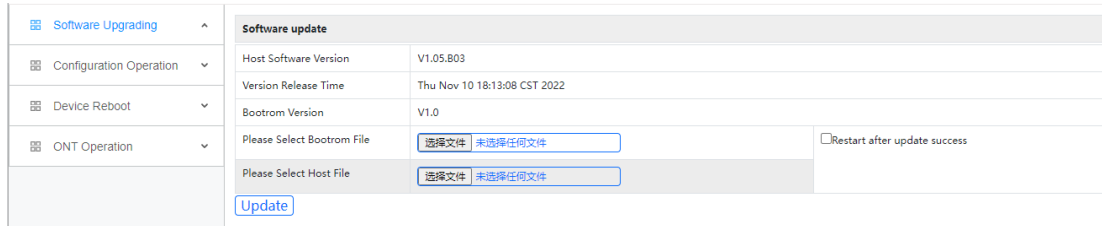
Profile Relation List for ONT														
ONT	Run State	Active	Reset	Rule Profile	Specific Profile	Line Profile	Alarm Profile	Multicast Profile	WiFi Profile	DBA Profile	Upstream Profile	Downstream Profile	VLAN Profile	Detail
*	Ready	False	None	0/1/1 @AUTO_ONT_gpon 0/1/1	N/A	0 @AUTO_LINE_0	N/A	0	0	0 @AUTO_DBA_0	N/A	N/A	0 @AUTO_VLAN_0	
0/1/1	online	active	None	match	not match	0 @AUTO_LINE_0				0	N/A	N/A	0	

Figure 7-31

# 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 update	
Host Software Version	V1.05.803
Version Release Time	Thu Nov 10 18:13:08 CST 2022
Bootrom Version	V1.0
Please Select Bootrom File	<input type="button" value="选择文件"/> 未选择任何文件 <input type="checkbox"/> Restart after update success
Please Select Host File	<input type="button" value="选择文件"/> 未选择任何文件
<input type="button" value="Update"/>	

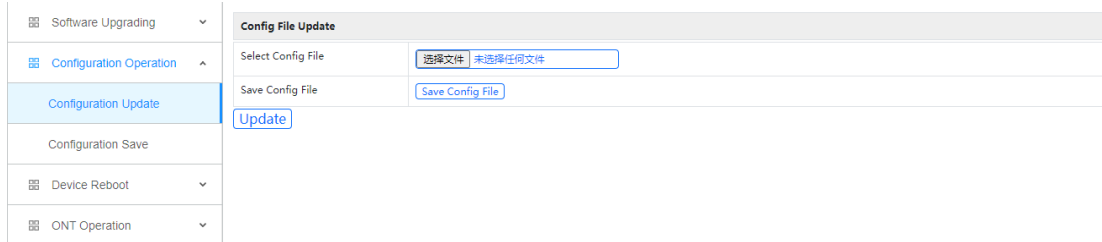
Figure 8-1

## 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.

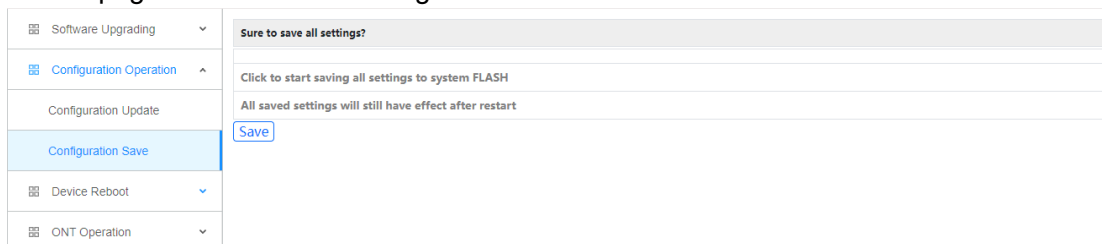


Config File Update	
Select Config File	<input type="button" value="选择文件"/> 未选择任何文件
Save Config File	<input type="button" value="Save Config File"/>
<input type="button" value="Update"/>	

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.



Sure to save all settings?	
Click to start saving all settings to system FLASH	
All saved settings will still have effect after restart	
<input type="button" value="Save"/>	

Figure 8-3

## 8.3 Device Reboot

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

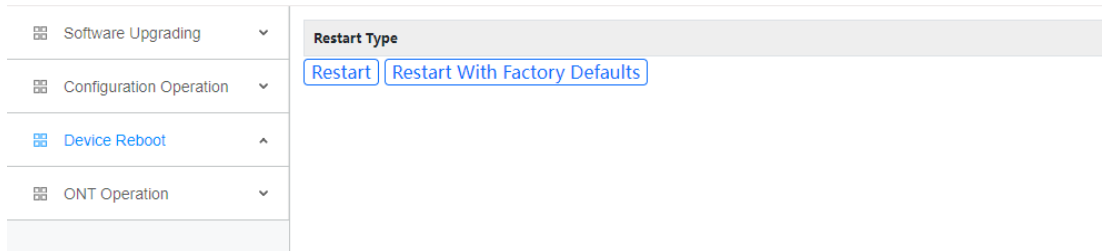


Figure 8-4

## 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.

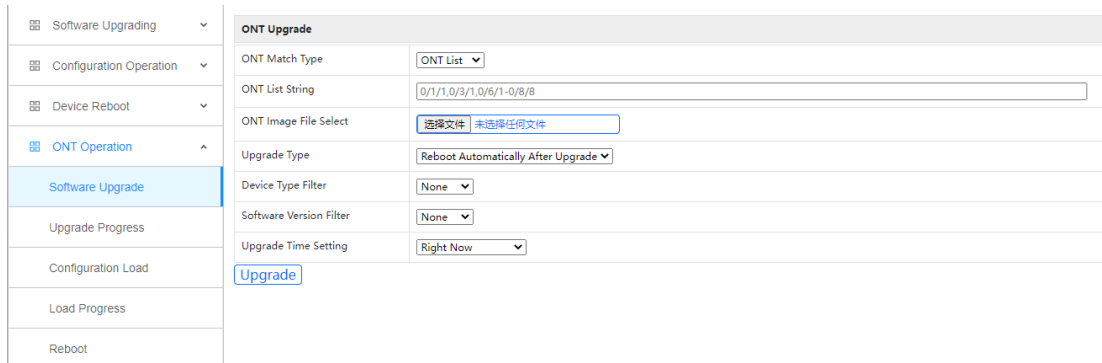


Figure 8-5

### 8.4.4 Upgrade Progress

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



Figure 8-6

## 8.4.5 Configuration 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.

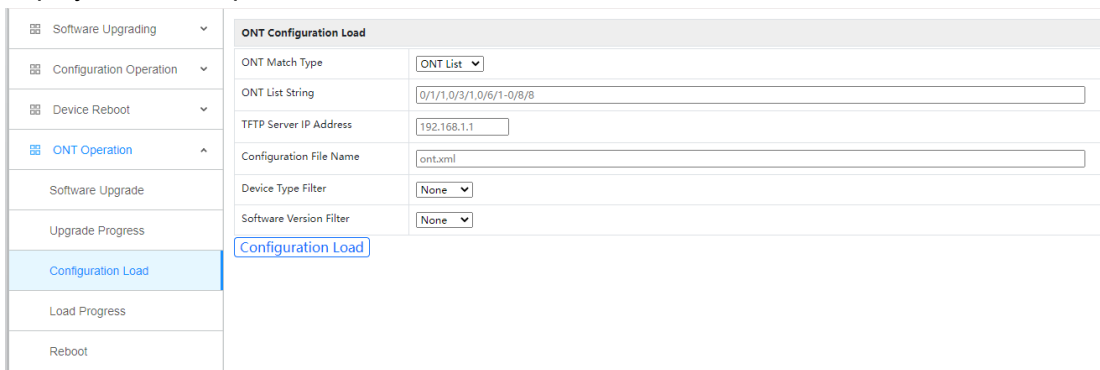


Figure 8-7

## 8.4.4 Load Progress

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

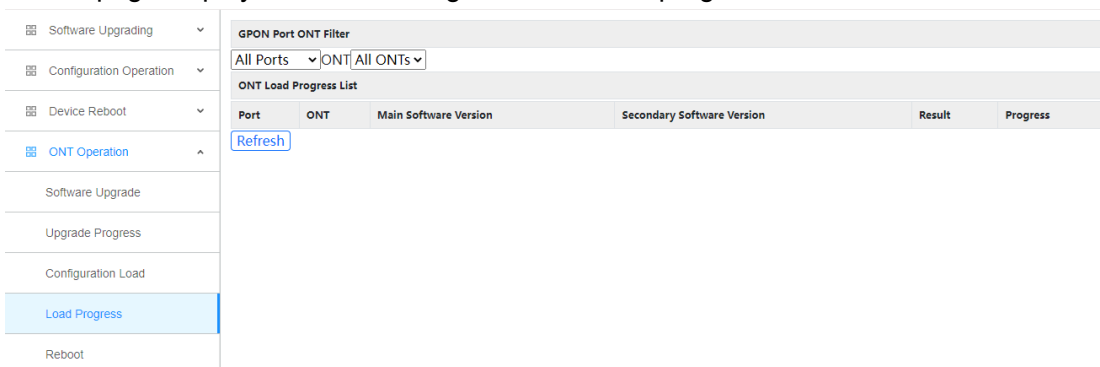


Figure 8-8

## 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