

GPON OLT WEB USER MANUAL

Version: V1.3 Release Date 2022-07-05

Contents

Chapter 1 Monitor	
1.1 System Information	1
1.1.1 Login OLT	1
1.1.2 Device Information	1
1.2 Port Information	2
1.2.1 Basic Information	2
1.2.2 Basic Statistics	3
1.2.3 Detail Statistics	3
1.2.4 Optical Module	4
1.3 ONT Status	4
1.3.1 Overview	4
1.3.2 Capability	5
1.3.3 Optical	6
1.3.4 Port Status	6
1.3.5 Statistics	6
1.3.6 MAC Address	7
1.3.7 Multicast Group	7
1.4 ONT Optical	8
1.5 ONT Auto Find	
1.5.1 ONT Auto Find Detail Information	9
1.6 ONT Silent	9
1.7 DBA Map	
1.8 Syslog Information	
Chapter 2 System Management	
2.1 System Information	
2.2 Web Timeout	
2.3 User Management	
2.3.1 User Overview	
2.3.2 User Add	14
2.3.3 User Modify	
2.3.4 User Delete	

Chapter 3 Port Management	
3.1 Basic Configuration	
3.2 Port Mirror	
3.3 Port Isolation	17
3.4 Storm Control	
3.5 Bandwidth Control	
Chapter 4 Basic Service	20
4.1 VLAN Configuration	
4.1.1 Static VLAN	
4.1.2 VLAN Port	20
4.2 IP and Route Configuration	21
4.2.1 MGMT IP Configuration	21
4.2.2 VLAN IP Configuration	
4.2.3 Static Route Configuration	22
4.3 Multicast	23
4.3.1 Multicast Configuration	23
4.3.2 IGMP Configuration	23
4.4 STP Configuration	24
4.4.1 Global Configuration	24
4.4.2 Port Configuration	25
4.5 LACP Configuration	
4.5.1 Status Display	
4.5.2 LACP Configuration	27
4.5.3 Protocol Control	
4.6 MAC Configuration	
4.6.1 Port Binding Display	29
4.6.2 Port Binding Configuration	
4.7 SNMP Configuration	
4.7.1 Commutity Configuration	
4.7.2 Trap Configuration	
4.8 DHCP Configuration	
4.8.1 DHCP Snooping	

4.8.2 IP-Mac Binding	
4.8.3 DHCP Server&Relay	
Chapter 5 Advance Service	34
5.1 System Time	
5.2 DNS Client	
5.3 SNTP	35
5.4 Access List	35
5.4.1 Classifier	
5.4.2 Policy	
Chapter 6 ONT Management	
6.1 Auto Find	
6.2 Auto Config	
6.3 Silent	
6.4 FEC	
6.5 Deactive	
6.6 Protect Switch	
Chapter 7 ONT Profile Management	
7.1 DBA Profile	
7.2 Upstream Profile	41
7.3 Downstream Profile	41
7.4 VLAN Profile	42
7.4.1 VLAN Profile Configuration	
7.5 Line Profile	43
7.5.1 T-CONT	43
7.5.2 GEM Port Configuration	44
7.5.3 Mapping Configuration	44
7.5.4 Flow Configuration	
7.6 Rule Profile	
7.7 Specific Profile	46
7.7.1 T-CONT	47
7.7.2 GEM Port	47
7.7.3 SIP	

	7.7.4 WAN	51
	7.7.5 WLAN	51
7	.7 Alarm Profile	52
7	.8 Multicast Profile	53
	7.8.1 Multicast Profile Configuration	54
Cha	apter 8 Maintain	55
8	.1 Software Upgrading	55
8	.2 Configuration Operation	55
	8.2.1 Configuration Update	55
	8.2.2 Configuration Save	56
8	.3 Device Reboot	56
8	.4 ONT Operation	56
	8.4.1 Software Upgrade	57
	8.4.4 Upgrade Progress	57
	8.4.5 Configuration Load	58
	8.4.4 Load Progress	58
	8.4.5 ONT Reboot	59
8	.5 Logo Replace	59

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.

System Information	^		CONSOLET								
Device Information		_									
Port Information	~	CONSOLEZ	USB MGMT								
B ONT Information	~										
		Device Information									
留 Syslog Information	~										
		Product Name	G08 GPON Product								
		Hardware Version	V1.0								
		Software Version	V1.03.B01								
		MAC Address	00:00:00:23:23:23								
		System Startup Time	0-Days 23-Hours 8-Minutes 37-Seconds								
		Web Page Timeout (minute)	5								
		System Clock	Tue 2022/07/12 10:42:58 UTC +08:00								
		Board Temperature	36.625(°C)								
		CPU Occupancy 1% Memory Occupancy 36% (1308 MB free)									
		Refresh									

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.

00	System Information	~	Port Status Information							
88	Port Information	~	Port	Status	Link	Priority	Set Speed	Actual Speed	мти	Port Description (0-128 chars)
	Basic Information		e0/0/1	enabled	down	0	auto	unknown	16356	
			e0/0/2	enabled	down	0	auto	unknown	16356	
	Basic Statistics		e0/0/3	enabled	down	0	auto	unknown	16356	
	Detail Statistics		e0/0/4	enabled	down	0	auto	unknown	16356	
			e0/1/1	enabled	down	0	full-10g	unknown	16356	
	Optical Module		e0/1/2	enabled	down	0	full-10g	unknown	16356	
	ONT Information	~	e0/1/3	enabled	down	0	full-10g	unknown	16356	
88	Syslog Information	~	e0/1/4	enabled	down	0	full-10g	unknown	16356	
	e yeing mentaliter		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	
			Refresh							



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	Ý	Port Statistics Information										
Port Information	^	Port	Receive Packets	Receive Bytes	Receive Errors	Transmit Packets	Transmit Bytes	Transmit Error				
Basic Information		e0/0/1	0	0	0	0	0	0				
		e0/0/2	0	0	0	0	0	0				
Basic Statistics		e0/0/3	0	0	0	0	0	0				
Detail Statistics		e0/0/4	0	0	0	0	0	0				
		e0/1/1	0	0	0	0	0	0				
Optical Module		e0/1/2	0	0	0	0	0	0				
B ONT Information	~	e0/1/3	0	0	0	0	0	0				
		e0/1/4	0	0	0	0	0	0				
Syslog Information	~	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				

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.

B System Information	~	Port Selection			
B Port Information	^	e0/0/1 ×			
Basic Information					
Paolo Statistico		Port Detail Statistics			
Dasic Statistics		Pkts 64 Bytes	0	Pkts 65-127 Bytes	0
Detail Statistics		Pkts 128-255 Bytes	0	Pkts 256-511 Bytes	0
Optical Module		Pkts 512-1023 Bytes	0	Pkts 1024-1518 Bytes	0
		RX Unicast Pkts	0	TX Unicast Pkts	0
BONT Information	~	RX Multicast Pkts	0	TX Multicast Pkts	0
B Syslog Information	~	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.

B System Information	~	Optical Mo	dule Basic Inform	ation									
B Port Information	^	Port	Transceiver	Compliance	Connector	WaveLeng	oth(nm)	Transfer Dis	tance(m)	DDM	Serial <mark>Numbe</mark> r	Date	Vendor
Basic Information		gpon0/2/2	SFP/SFP+	SPON	SC	1490	2	20000(9um)		yes 3	202111080001	2021-11-0	B OEM
Basic Statistics													
Detail Statistics		Optical Mo	dule DDM Inform	ation									
Optical Module		Port	Temperature(°C	Voltage(V)	E	Bias Current(mA)		RX Power(di	Bm)		TX Power(dB	m)
BONT Information	~				Current	High Threshold	Low Threshold	Current	High Threshold	Low Thresh	old	High Threshold	Low Threshold
Syslog Information	~	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.

~	GPON	GPON Port Selection										
~	gpon()/2/2 🗸)									
^	Online	ONT Stat	tus									
	Port	ONT	Serial Number	Moo	del Up Duration	Run State	Member State	Detail				
		3	GPTF-00ed6885	5 N/A	0d0h57m	Normal	active	Detail				
	Refres	sh										
	Offline	ONT Sta	tus									
~	Port	ONT	Serial Number	Model	Down Duration	Deregister Reason	Member State	Detai				
	· · · · · · · · · · · · · · · · · · ·	 GPON Gpon(Online Port 0/2/2 Refres Offline Y Port 	 ✓ GPON Port Sele ✓ gpon0/2/2 ✓ ^ Online ONT Sta Port ONT 0/2/2 3 Refresh Offline ONT Sta ♀ Port ONT 	✓ GPON Port Selection ✓ gpon0/2/2 ✓ ^ Online ONT Status Port ONT Serial Number 0/2/2 3 GPTF-00ed6885 Refresh Offline ONT Status Y Port Offline ONT Status	✓ GPON Port Selection ✓ (gpon0/2/2 ∨) ^ Online ONT Status Port ONT Serial Number Mod 0/2/2 3 GPTF-00ed6885 N/A Offline ONT Status Offline ONT Status ✓ Port ONT Serial Number Model	✓ GPON Port Selection ✓ gpon0/2/2 ✓ ^ Online ONT Status Port ONT Serial Number Model Up Duration 0/2/2 3 GPTF-00ed6885 N/A 0d0h57m Refresh Offline ONT Status ✓ Port ONT Serial Number Model Down Duration	✓ GPON Port Selection ✓ gpon0/2/2 ✓ ^ Online ONT Status Port ONT Serial Number Model Up Duration Run State 0/2/2 3 GPTF-00ed6885 N/A 0d0h57m Normal Refresh ✓ Port ONT Serial Number Model Down Duration Deregister Reason	✓ GPON Port Selection ✓ gpon0/2/2 ✓ ^ Online ONT Status Port ONT Serial Number Model Up Duration Run State Member State 0/2/2 3 GPTF-00ed6885 N/A 0d0h57m Normal active Offline ONT Status Offline ONT Status ✓ Port ONT Serial Number Model Down Duration Deregister Reason Member State				



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.

B System Information	~	Port gpon0/2/	2 ONT 3	Information			Back To ONT L	ist
B Port Information	~	Overview	Сара	bility Optical	Port Status	Statistics	Mac Address	Multicast Group
B ONT Information	^	Туре		N/A				
ONT Status	- 1	Description		ONT_NO_DESCRIPT	ON			
		Run State		online				
ONT Auto Find		Member State		active				
ONT Silent		Distance(m)		<8				
20111			Vendor ID					
DBA Мар	DBA Мар			GPTF-00ed6885				
B Syslog Information	~	Password		1234567890				
		LOID		123456789				
		Check Code		N/A				
		Main Software Ve	ersion	V1.0.1				
		Secondary Softwa Version	are	N/A				
		Firmware Version		V5.2				
		Online Time		23:10:46 2000/02/26	5			
		Up Duration		0 day(s) <mark>3 h</mark> our(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.

B System Information	~	Port gpon0/2/	Port gpon0/2/2 ONT 3 Information Back To ONT List									
B Port Information	~	Overview	Capab	oility Optio	al Port Statu	s Statistics	Mac Address	Multicast Group				
B ONT Information	^	Uplink GPON Por	rts	1								
ONT Status	NT Status			1/0/0/0								
ONT Auto Find												
ONT AUTO FIND				0/1								
ONT Silent	ONT Silent			16/64								
DBA Map	DBA Map			16								
B Syslog Information	~	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 Typ	e	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 gpon0/2/2 ONT	3 Information		Back To ONT List			
Bort Information	~	Overview Capa	ability Op	ptical	Port Status	Statistics	Mac Address	Multicast Group
ONT Information	^	Voltage(V)	3.32					
ONT Status		Rx Optical Power(dBm)	-18.602					
	a de mare contrar de contra		2.316					
ONT Auto Find		Laser Bias Current(mA)	13.872					
ONT Silent		Temperature(C)	41.52					
DBA Мар		CATV Rx optical Power(dBm)	N/A					
B Syslog Information	~	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 gpon0/2,	2 ONT 3 Inform	Back To ONT List				
	Port Information	~	Overview	Capability	Optical	Port Status	Statistics	Mac Address	Multicast Group
88	ONT Information	^	Ethernet Port St	tatus					
	ONT Status		Port	Oper	ation		L	ink	
	ONT Auto Find		1	enab	le		L	ink Down	
	ONT Silent		CATV Port Statu	25					
	DBA Мар		Port	Oper	ation				
	Syslog Information	~							
			POTS Port Statu	IS					
			Port	VOIF	Register Status		VOIP	Register IP Address	
			Refresh						



1.3.5 Statistics

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

B System Information	~	Port	jpon0	/2/20	ONT 3 In	formatio	n				C	Back To ONT Li	st	
B Port Information	*	Ove	rviev	v (Capabil	ity (Optical	Port Statı	us S	tatisti	cs M	ac Address	Multica	ist Grou
B ONT Information	^	Traffic	Statis	tics										
ONT Status		Upstre	am Fr	ames	Upstrea	am Bytes	Downstrea	n Frames	Downst	eam By	/tes Up	Traffic (kbps)	Down Traff	ic (kbps)
ONT Auto Find		0			0		0		0		0		0	
ONT Silent														
DBA Мар		Ethern	let Por	t Statis	tics									
B Syslog Information	~	Port	All	Unica	ast M	Rece ulticast	ive Frames Broadcast	Discard	Bytes	All	Unicast	Transmit Fi Multicast	Broadcast	Bytes
		1	0	0	0		0	0	0	0	0	0	0	0
		GEM S	tatisti	cs										
		GEM		Los	t Frames	Re	ceive Frames	Rece	eive Blocks		Transmit	Frames	Transmit Blo	ocks
		unicas	t 2	0		0		0			0		0	
		unicas	t 1	0		0		0			0		0	
	broadcast 0		0		0		0			0		0		



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 gpon0/2/	2 ONT 3 Inform	ation			Back To ONT List	J
BB F	Port Information	~	Overview	Capability	Optical	Port Status	Statistics	Mac Address	Multicast Group
8 (ONT Information	^	MAC Address	VLAN		GEM Index		GEM II	0
C	ONT Status								
C	ONT Auto Find		Refresh						
C	ONT Silent								
D	ОВА Мар								
8	Syslog Information	~							

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.

BB Syster	n Information	~	Port gpon0/2/2	2 ONT 3 Inform	Back To ONT Li	Back To ONT List			
B Port In	formation	~	Overview	Capability	Optical	Port Statu	s Statistics	Mac Address	Multicast Group
	nformation	^	MAC Address	IP Add	iress	VLAN	Client IP	Age Time	IGMP Version
ONT S	tatus								
ONTA	uto Find		Refresh						
	uto r inu								
ONT S	ilent								
ONT S	ilent ap								

Figure 1-14

1.4 ONT Optical

1.Click Monitor->ONTinformation->ONT Optical2.This page displays the optical power information of the registered ONT.

B System Information	~	GPON	GPON Port Selection					
B Port Information	~	gpon	0/2/1	~				
B ONT Information	^	Online	ONTO	ptical Inform	ation			
ONT Status		Port	ONT	Voltage(V)	Rx Optical	Tx Optical	Laser Bias	Temperature(C
ONT Optical					Power(dBm)	Power(dBm)	Current(mA)	
		0/2/1	1	3.34	-23.374	2.308	14.200	49.83
ONT Auto Find		0/2/1	2	3.32	-23.566	2.232	14.150	48.50
ONT Silent		0/2/1	3	3.30	-23.100	2.646	12.800	52.23
ortronom		Refre	sh					
DBA Map		-						
B Syslog Information	~							

Figure 1-15

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	*	GPON P	ort Selection	1				
	Port Information	~	gpon0,	12/2 -					
88	ONT Information	^	ONT Au	to Find List					
	ONT Status		Port	Index	Serial Number	Equipment ID	Last Find Time	Find Count	Detail
	ONT Auto Find		0/2/2	0	GPTF-00ed6885	MONUV691	2000/02/27 03:21:11	3	Detail
	ONT Silent		Refres	n					
	DBA Мар								
88	Syslog Information	~							

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.

00	System Information	~	Port gpon0/2/2 Index 0	Auto Find Information Back To List
	Port Information	~		
			Serial Number	GPTF-00ed6885
88	ONT Information	^	Password	1234567890
	ONT Status		LOID	123456789
			Check Code	N/A
	ONT Auto Find		Vendor ID	MONU
	ONT Silent		Main Software Version	V1.0.1
			Firmware Version	V5.2
	ОВА Мар		Equipment ID	MONUV691
	Syslog Information	~	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 configration of failed authentication silent and offline silent.

00	System Information	~	GPON Port	Selection			
	Port Information	~	gpon0/2/	/2 ~			
88	ONT Information	^	ONT Silent	List			
	ONT Status		Port	Index	Serial Number	Expire Time	Reason
	ONT Auto Find		0/2/2	0	GPTF-00ed6885	5	auth-fail
	ONT Silent		Refresh				
	DBA Map						
00	Syslog Information	~					



1.7 DBA Map

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

B System Information	า 👻	GPON Port	GPON Port Selection							
B Port Information	~	gpon0/2/	2 🗸							
BONT Information	^	DBA Map S	ummar	у						
ONT Status		Assign Suc	cess Tot	al Entries	Assign Succe	ss Total Fixed Bandwidt	h (kbps)	Assign Succes	Total Assured Bandw	idth (kbps)
ONT Auto Find		1	1 0 0							
ONT Silent										
DBA Map		DBA Map L	ist							
B Syslog Information	Ŷ	Port	ONT	T-CONT Index	DBA Index	Fixed Bandwidth (kbps)	Assur (kbps)	ed Bandwidth)	Max Bandwidth (kbps)	Assign
		gpon0/2/2	3	1	0	0	0		10240	success

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.

88	System Information	^	Syslog I	Syslog Log Information				
	Device Information		Refres	h				
	Port Information	~	Index	Log Information				
00	ONT Information	~	1	00:37:15: %CMDLINE-6-COMMAND: (0) admin: display dba-map interface gpon 2/2				
	ONT monitation		2	00:37:02: %CMDLINE-6-COMMAND: (0) admin: display ont info interface gpon all				
**	Syslog Information	^	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 Se	ttings
	System Information		System Description	GPON OLT
	Web Timeout		System Object ID	1.3.6.1.4.1.8888.1.3.34.1
			System Port Quantity	16
	User Management	~	System Startup Time	48 minute 50 second 89 tick
80	Port Management	~	System Name	
	Basic Service	~	System Location	
			System Contact	
	Advanced Service	~	Product Description	G08 GPON Product
88	ONT Management	~	Refresh Modify	
00 00	ONT Profile Management	~		

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.

88	System Management	^	Web Page Timeout Settings
	System Information		Current web page timeout:5minutes
	Web Timeout		Select new web page timeout: 5 v minutes
	🕸 User Management	~	Apply 10 15 20
00	Port Management	~	
00	Basic Service	~	
00	Advanced Service	~	
80	ONT Management	~	
	ONT Profile Management	~	

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.

	System Management	^	Add New User (suppor	t max 8 users)
	System Information		New User Name (1-32 characters)	test
	Web Timeout		Password (1-16 characters)	
	钧 User Management	^	Confirm Password	
	User Overview		User Privilege	Normal V
	User Add		Add	
	User Modify			
	User Delete			
88	Port Management	~		
88	Basic Service	~		

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.

88	System Management	^	Modify User	
	System Information		User Name	test
	Web Timeout		New Password (1-16 characters)	
	🕸 User Management	~	Confirm Password	
	User Overview		User Privilege	Normal 🗸
	User Add		Modify	
	User Modify			
	User Delete	- 1		
88	Port Management	v		
00	Basic Service	v		
00	Advanced Service	~		
Figur	e 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.

System Management		
System Information	Delete Exist User	
Web Timeout	Select User To Delete	admin V
🕸 User Management 🔺	Refresh	
User Overview		
User Add		
User Modify		
User 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.

80	System Management	~	Port Basic Setting	gs						
88	Port Management	^	Port	Status	Link	Priority	Set speed	Actual speed	мти	Port Description (0-128 chars)
	Basic Configuration		gpon0/2/2 ×	enable 🗸	up	0 ~	full-2.5g 🗸	full-2.5G	16356	
	Port Mirror		Refresh Mod	dify						
	Port Isolation		e0/0/1	enabled	down	0	auto	unknown	16356	
			e0/0/2	enabled	down	0	auto	unknown	16356	
	Storm Control		e0/0/3	enabled	down	0	auto	unknown	16356	
	Bandwidth Control		e0/0/4	enabled	down	0	auto	unknown	16356	
			e0/1/1	enabled	down	0	full-10g	unknown	<mark>16356</mark>	
80	Basic Service	~	e0/1/2	enabled	down	0	full-10g	unknown	16356	
88	Advanced Service	~	e0/1/3	enabled	down	0	full-10g	unknown	16356	
88	ONT Management	~	e0/1/4	enabled	down	0	full-10g	unknown	16356	
			gpon0/2/1	enabled	up	0	full-2.5g	full-2.5g	16356	
	ONT Profile Management	~	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 👻			Mirror Destination Port						
88	Port Management	^	Mirror Destination Port	e0/0/4 🗸					
	Basic Configuration		Mirror Source Port						
	Port Mirror		Port	Mirrored	Direction				
	Port Isolation		e0/0/1		Both 🗸				
	Storm Control		e0/0/2		Both 🗸				
	Storm Control		e0/0/3		Both 🗸				
	Bandwidth Control		e0/0/4		Both 🗸				
	Basic Service	~	e0/1/1		Both 🗸				
88	Advanced Service	~	e0/1/2		Both 🗸				
00	Havancea octivice		e0/1/3		Both 🗸				
00	ONT Management	~	e0/1/4		Both 🗸				
	ONT Profile Management	~	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.

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

	System Management	*	Storm Control			
88	Port Management	^	Port	Broadcast(unit:pps)	Multicast(unit:pps)	Unicast(unit:pps)
	Basic Configuration		e0/0/1	50000 pps	D pps	Прр
	Deat Minute		e0/0/2	50000 pps	D pps	
	Port Million		e0/0/3	50000 pps	pps	
	Port Isolation		e0/0/4	50000 pps	D pps	
	Storm Control		e0/1/1	50000 pps	pps	
	Bandwidth Control		e0/1/2	50000 pps	D pps	D pr
			e0/1/3	50000 pps	pps	
00	Basic Service	~	e0/1/4	50000 pps	pps	D PI
88	Advanced Service	~	gpon0/2/1	50000 pps	pps	D pt
	ONT Management	~	gpon0/2/2	50000 pps	D pps	D bb
88	ONT Profile Management	~	gpon0/2/3	50000 pps	D pps	D pt
			gpon0/2/4	50000 pps	D pps	D D PR
			gpon0/2/5	50000 pps	D pps	pr
			gpon0/2/6	50000 pps	D pps	D bb
			gpon0/2/7	50000 pps	D pps	D pr
			gpon0/2/8	✓ 50000 pps	pps	D Pr

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	Y Bandwidth Co	Bandwidth Control					
B Port Management	^ Port	Ingress Rate	Egress Rate				
Basic Configuration	e0/0/1	1024 kbps	kbps				
Dort Mirror	e0/0/2	kbps	kbps				
Port Million	e0/0/3	kbps	kbps				
Port Isolation	e0/0/4	kbps	kbps				
Storm Control	e0/1/1	kbps	kbps				
Bandwidth Control	e0/1/2	kbps	kbps				
Pasis Capita	e0/1/3	kbps	kbps				
Dasic Service	e0/1/4	kbps	kbps				
Advanced Service	× ()(.						

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.

B System Management	~	VLAN	Create Ar	nd Delete			
B Port Management	~	VLAN(8 15)	9,9,11- [
Basic Service	^	Refres	h Crea	ate Delete			
🕸 VLAN Configuration	^	VLAN	Informati	ion			
Static VLAN		VLAN	Status	Member Ports	Static Tag Ports	Static Untag Ports	Dynamic Tag Ports
VLAN Port		1	static				
IP and Route Config	~	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	
Ø Multicast	~	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	
钧 STP Configuration	~						
LACP Configuration	~						
MAC Configuration	~						
8 SNMP Configuration	~						

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 VLAN Se	ttings			
88	Port Management	~	Port	e0/0/1 ¥			
88	Basic Service	^	PVID(1- 4094)	100			
	S VLAN Configuration	^	Mode	hybrid 🗸			
	Static VLAN		Tag VLAN(8,9,11- 15)				
	VLAN Port		Untag VLAN(8,9,11-	100			
	IP and Route Config	~	137				
	🕸 Multicast	~	Refresh	odify			
	钧 STP Configuration	~	Port VLAN In	formation			
	A 1000 000 0000	220	Port	PVID(1-4094)	Mode	Tag Vlan List	Utag Vlan List
	LACP Configuration	×	e0/0/1	100	hybrid		100
	MAC Configuration	~	e0/0/2	<mark>1</mark> 00	hybrid		100
			e0/0/3	100	hybrid		100
	SNMP Configuration	~	e0/0/4	100	hybrid		100
	DHCP Configuration	~	e0/1/1	200	hybrid		200
			e0/1/2	200	hybrid		200
88	Advanced Service	~	e0/1/3	200	hybrid		200
	ONT Management	~	e0/1/4	200	hybrid		200
			gpon0/2/1	200	hybrid	100,200	
80	ONT Profile Management	~	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.

B System Management	~	MGMT IP Address Configura	tion		
B 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	1				

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 V]
Basic Service	VLAN ID	100
VLAN Configuration	IP address	10.1.1.50
Static VLAN	Subnet mask	255.255.255.0
VLAN Port	Refresh	/ Apply Delete
le 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.

🔡 System Management 🗸	Static Route			
🔡 Port Management 🗸 🗸	Destination IP			
Basic Service	Subnet mask			
VLAN Configuration	Nexthop			
Static VLAN	Add			
VLAN Port	Static Route Tab	le		
IP and Route Config	DestIP	Subnet mask	Nexthop	Operation
MGMT IP Configuration	Refresh			
VLAN IP Configuration				
Static Route Configuration				

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.

System Management	×	Multicast A	dd And Dele	te			
Port Management	Ý	VLAN	MAC Addr	ess	Port(such as e0/0/1-e	0/0/2,e0/0/4,e0/1/1)	(
Basic Service	^	1 *	01:00:5e:	H:H:H			
🕸 VLAN Configuration	•	Refresh	Add Dele	te			
Static VLAN		Multicast In	nformation				
VLAN Port		VLAN	MAC	Static Ports	IGMP Por	ts Dynan	nic Ports Delete
IP and Route Config	^						
MGMT IP Configuratio	n						
VLAN IP Configuration	1						
Static Route Configura	ation						
段 Multicast	^						
Multicast Configuration	n						

Figure 4-6

4.3.2 IGMP Configuration

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

88 Sy	ystem Management	~	Igmp-snooping Enable	enable 🗸
B Po	ort Management	~	Apply	
BB Ba	asic Service	^	Advance Settings	
¢	VLAN Configuration	^	IGMP-Snooping Report-	enable 🗸
	Static VLAN		Max Response Time (1-	10
	VLAN Port		Host Aging Time (10-	300
©	IP and Route Config	^	IGMP-Snooping Route-	disable 🗸
	MGMT IP Configuration	8	Router Port Timeout (10-	300
	VLAN IP Configuration		Router Port Age	enable 🗸
	Static Route Configurati	ion	Denied VLAN	Add Delete (VLAN ID range : 1~4094,input vlan list such as 8,9,11-15)
(3)	Multicast	^	Denied VLAN List	
	Multicast Configuration		Default Group Policy IGMP-Snooping Querier	permit V disable V
	IGMP Configuration		Querier VLAN	Add Delete (VLAN ID range : 1~4094,input vlan list such as 8,9,11-15)
¢	STP Configuration	~	Querier VLAN List	1
ŝ	LACP Configuration	~	Querier Source IP	1.1.1.1
\$	MAC Configuration	~	Time (1-25 seconds)	
\$	SNMP Configuration	~	seconds)	
ත	DHCP Configuration	~	Grand Contraction	

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.

III Sys	stem Management	~	Global STP Settings	
8 Por	t Management	~	STP State	enable 🗸
🔠 Bas	sic Service	^	Apply	
暾	VLAN Configuration	^	Bridge Settings	
	Static VLAN		Priority (0-61440, in steps of 4096)	32768
	VLAN Port		Hello Time (1-10 sec.)	2
¢	IP and Route Config	~	Forward Delay (4-30 sec.)	15
\$	Multicast	^	Max <mark>A</mark> ge (6-40 sec.)	20
	Multicast Configuration		Modify	
	IGMP Configuration		STP Status	
¢	STP Configuration	^	Bridge ID	32768 00:88:88:55:66:77
	Global Configuration		Root Bridge ID	32768 00:88:88:55:66:77
		-	Root Port	õ
	Port Configuration	_	Path Cost To Root Bridge	0
\$	LACP Configuration	~	STP Topology Changes Count	0
\$	MAC Configuration	~	Notes: 2 * (Forward D	elay - 1) >= Max Age >= 2 * (Hello Time + 1)
ŵ	SNMP Configuration	~	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.

🗄 Sys	stem Management	~	Port STP Settings					
8 Por	rt Management	~	Port	STP State	Port Role	Path Cost (1-20000000)	Priority (0-240)	Port State
# Bas	sic Service	^	gpon0/2/2 ~	disable 🗸	disabledPort	200000	128	forwarding
ø	VLAN Configuration	~	Refresh Mod	lify				
			e0/0/1	enable	designatedPort	200000	128	DOWN
	Static VLAN		e0/0/2	enable	designatedPort	200000	128	DOWN
	VI AN Port		e0/0/3	enable	designatedPort	200000	128	DOWN
			e0/0/4	enable	designatedPort	200000	128	DOWN
\$	IP and Route Config	~	e0/1/1	enable	designatedPort	200000	128	DOWN
愈	Multicast	~	e0/1/2	enable	designatedPort	200000	128	DOWN
~			e0/1/3	enable	designatedPort	200000	128	DOWN
	Multicast Configuration		e0/1/4	enable	designatedPort	200000	128	DOWN
	IGMP Configuration		gpon0/2/1	disable	disabledPort	200000	128	forwarding
	ionn conngaraach		gpon0/2/2	disable	disabledPort	200000	128	forwarding
\$	STP Configuration	^	gpon0/2/3	disable	disabledPort	200000	128	forwarding
	Global Configuration		gpon0/2/4	disable	disabledPort	200000	128	forwarding
	Clobal Comiguration	_	gpon0/2/5	disable	disabledPort	200000	128	forwarding
	Port Configuration		gpon0/2/6	disable	disabledPort	200000	128	forwarding
ർ	LACP Configuration	~	gpon0/2/7	disable	disabledPort	200000	128	forwarding
100	e.e. oonigaradon		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 Aggregat	ion Status				
B Port Management	~	Criteria			src-mac		
Basic Service	^	Group ID	Enabled Ports	Synchronized Po	rts	Aggregator ID	Status
VLAN Configuration	~	то		200 C		-	
		T1	-	15 7 1		-	
Static VLAN		T2	-	-			-
VLAN Port		Т3	2	(es)		1. 5 3	123
		T 4		(#)		152	a n 1
IP and Route Config	~	T5		20		55.2 55.2	8 7 0
図 Multicast	~	T6	a	18 S		1.5.S	120
(3 70)		T 7		(#)		152	
钧 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.

B System Management	~	Link Aggregation	Settings	
Port Management	~	Criteria	src-mac 🗸	
Basic Service	^	Apply		
VLAN Configuration	^	Port	Group ID	LACP Mode
Static VLAN		e0/0/1	none 🗸	none 💙
VI AN Dort		e0/0/2	none 🗸	none 💙
VLAN POIL		e0/0/3	none 🗸	none 🗸
IP and Route Config	~	e0/0/4	none 🗸	none 💙
🕸 Multicast	~	e0/1/1	none 🗸	none 💙
COTO CONSTRUCTION	10/28	e0/1/2	none 🗸	none 💙
STP Configuration	~	e0/1/3	none 🗸	none 💙
LACP Configuration	^	e0/1/4	none 🗸	none 💙
Status Display		Apply Reset)	
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.

8 System Management	~	Link Aggregation C	Control Protocol
B Port Management	~	System Priority	32768
Basic Service	•		
稔 VI AN Configuration		Group ID	LACP Active
Contraction		то	
Static VLAN		T1	
VI AN Port	_	Т2	
VERITOR	_	тз	
IP and Route Config	~	T4	
6 Multicast		Т5	
ep municasi	<u> </u>	T6	
🕸 STP Configuration	~	17	Ο
LACP Configuration	•		
Status Display		*	
LACP Configuration		e0/0/1	[128]
Protocol Control		e0/0/2	128
		e0/0/3	128
MAC Configuration	× I	e0/0/4	128
SNMP Configuration	~	e0/1/1	128
DHCP Configuration	~	e0/1/2	128
H Advanced Service	~	e0/1/3	128
		e0/1/4	128
H ONT Management	× I	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 Dispaly
- 2. This page displays port-MAC binding status information.

System Management	~	Port-MAC Bindin	g Outline		
Port Management	~	Port	Port-MAC Binding	Port	Port-MAC Binding
Basic Service	~	e0/0/1	disable	e0/0/2	disable
		e0/0/3	disable	e0/0/4	disable
VLAN Configuration	on 🔺	e0/1/1	disable	e0/1/2	disable
Static VLAN		e0/1/3	disable	e0/1/4	disable
		gpon0/2/1	disable	gpon0/2/2	disable
VLAN Port		gpon0/2/3	disable	gpon0/2/4	disable
lP and Route Con	nfia 🗸	gpon0/2/5	disable	gpon0/2/6	disable
		gpon0/2/7	disable	gpon0/2/8	disable
STP Configuration	n v				
LACP Configuration	on 🔺				
Status Display					
LACP Configuratio	on				
Protocol Control					
MAC Configuratio	n 🔺				
Port Binding Dispa	aly				

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

IGMP Configuration	Port Selection
l ③ STP Configuration	e0/0/1 v
Global Configuration	
STP/RSTP Port Configu	Port-MAC Binding Settings e0/0/1
LACP Configuration	Port-MAC Binding Enable
Status Display	Modify
LACP Configuration	Add Static Port-MAC Entry (use current port)
Protocol Control	MAC Address (H:H:H:H:H)
🕸 MAC Configuration 🔺	VLAN ID
Port Binding Dispaly	Add
Port Binding Configuration	Port-MAC Entries Of Current Port
l钧 SNMP Configuration マ	Refresh
l DHCP Configuration 🗸	Index MAC Address VLAN ID Port Status Delete Index MAC Address VLAN ID Port Status Delete

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).

IGMP Configuration	SN	MP Community Settings (support max 8 ent	ries)		
STP Configuration	. ID	Name (1-20 characters)	Access Privilage	Ctatur	View (0.32 characters
Global Configuration	1	test	Read-only V	Active V	iso
STP/RSTP Port Configu.	1	test	Read-only	Active	iso
B LACP Configuration	Ret	fresh Add Modify Delete			
Status Display	_				
LACP Configuration					
Protocol Control					
MAC Configuration					
Port Binding Dispaly					
Port Binding Configuratio	9				
SNMP Configuration					
Commutity Configuration					

Figure 4-15

4.7.2 Trap Configuration

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

88	System Management	~	SNMP Trap Settings			
22	Port Management	*	Trap Status	enable 🗸		
88	Basic Service	^	Apply			
٤	VLAN Configuration	~	ID (support max 8 entries)	Trap Target IP Address	Community (1-20 characters)	SNMP Version
ε	IP and Route Config	~	1	1.1.1.2	test	v2 🗸
٤	Multicast	~	1	<u>1.1.1.2</u>	test	v2
٤	STP Configuration	~	Refresh Add M	1odify Delete		
ε	LACP Configuration	~				
ε	MAC Configuration	~				

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	DHCP Snooping Trust Port Settings					
礅	IP and Route Config V	Dhcp-snooping Enable	enable 🗸				
愈	Multicast 🗸	Option82 Control	enable 🗸				
Ŕ	STP Configuration	Refresh Modify					
	5	Port	Trust				
©	LACP Configuration	e0/0/1					
	Status Display	e0/0/2					
		e0/0/3	0				
	LACP Configuration	e0/0/4	0				
	Protocol Control	e0/1/1					
~		e0/1/2					
হিয়	MAC Configuration	e0/1/3					
	Port Binding Dispaly	e0/1/4					
	Dat Binding Configuration	gpon0/2/1					
	Port Binding Configuration	gpon0/2/2					
\$	SNMP Configuration	gpon0/2/3					
	Commutity Configuration	gpon0/2/4					
	Communy Coniguration	gpon0/2/5					
	Trap Configuration	gpon0/2/6					
ŝ	DHCD Configuration	gpon0/2/7					
ŝ		gpon0/2/8					
	DHCP Snooping	Refresh Apply					

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.

🕸 IP ar	nd Route Config	~	System Security Settings							
🕸 Mult	icast	~	Disable Unbinding Entry To							
🕸 STP	Configuration	~	Modify							
🕸 LAC	P Configuration	~	Add IP-MAC-PORT-VLAN	Binding Entry						
🕸 MAC	C Configuration	~	IP Address			MAC Address (H:H:H:H:H:H)				
🕸 SNN	IP Configuration	^	Port	Port e0/0/1 v VLAN ID						
Com	mutity Configuratio	n	Add							
Trap	Configuration		Binding Table							
🕸 DHC	P Configuration	^					One Click	Binding One Click Unbinding		
DHC	P Snooping		IP Address M	AC Address	Port	VLAN ID	Binding Status	Delete		
IP-Ma	ac Binding		20.1.1.1 00	:00:00:00:00:11	e0/0/2	100	YES	Delete		
DHC	P Server & Relay		Retresh							

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	DHCP Server configuration					
MAC Configuration A	Server Select	New 🗸				
Port Binding Dispaly	GROUP ID					
Port Binding Configuration	Server IP					
🕸 SNMP Configuration 🔺	Refresh New Apply	Delete				
Commutity Configuration	DHCP-Server Binding					
Trap Configuration	VLAN Interface ID	IF-100 🗸				
DHCP Configuration	DHCP-Server Group ID	-				
DHCP Snooping	Bind DeBind					
IP-Mac Binding	DHCP Relay configuration	DHCP Relay configuration				
DHCP Server & Relay	DHCP-Relay Enable	disable 🗸				
Advanced Service V	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

22	System Management	~	System Clock Setting		
	Port Management	~	Current System Time	Sun 2000/02/27 05:4	3:31 UTC +08:00
	Basic Service	~	New Date	2021/1/1	Get From PC
88	Advanced Service	^	New Time	13:55:53	Get From PC
	System Time		Config Refresh		
	DNS Client		Timezone Setting		
	SNTP		Select Timezone	JTC+08:00) Beijing, Chong	qing, Hong Kong, Urumqi 🛛 🗸
	🕸 Access List	~	Config Refresh		
00	ONT Management	~			
	ONT Profile Management	~			



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) $_{\circ}$

00	System Management	^	DNS Client Configure	
	System Information		Name Server IP Address	0.0.0
	Web Timeout		Config	
	🕸 User Management	~	Domain Name Lookun	
00	Port Management	~	Domain Name Lookup	
00	1 of Management		Domain Name	
88	Basic Service	~	IP Address	
88	Advance Service	^	Lookup	
	System Time			
	DNS Client			
	SNTP			



5.3 SNTP

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

	System Management	~	SNTP Client			
88	Port Management	~	Client Enable			
88	Basic Service	~	Client Mode	multicast 💙		
88	Advanced Service	^	Refresh Apply			
	System Time		Valid Server List			
	DNS Client		Any server will be acco	epted if empty configuratior	i.	
	SNTP		Server IP		Mask	
	🕸 Access List	~	Add Del DelAll		4	

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	~	Named ACL Classifier							
		Active							
B Port Management	~	Name							
Portivital agement			VLAN	Any					
B Dasic Service		-	Priority						
B Advanced Service	^		Ethernet Type						
System Time		Layer 2	Faurca	MAC Address					
DNS Client	DNS Client		t		Source	Physical Port			
SNTP			Destination	MAC Address					
18 Access List	~	_	Destination	Physical Port					
			DSCP	Any					
Classifier			IP Protocol	All Cec)					
Policy		Laver 3/4	Source	IP Address / Address Prefix 0.0.0.0 /					
BONT Management	~		Source	L4 Port Number					
B ONT Profile Managemer	nt 🗸		Destination	IP Address / Address Prefix 0.0.0.0 /					
		-	Country	L4 Port Number					
				Add Modify Cancel Refresh					
		Index Acti	ve Name:SubIter	n Rule					
				Delete					

Figure 5-4

5.4.2 Policy

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

88	System Management	~	Named ACL Po	olicy								
			Active									
00	Port Management	~	Name									
88	Basic Service	~	Classifier(s)	-								
88	Advanced Service	^		-		Gener	ral			Rate Lim	it]
									Bandwidth		Kbps	
	System Time		Daramators	Egress Port		1						
			Parameters	Priority		0 🗸						
	DNS Client			DSCP			Ĵ)				
				TOS		0 🗸						
	SNTP			Forwarding								
				No change	ю							
	187 Access List	^		O Discard the	e packet		_					
	Contraction and a second second			Priority								
	a			Set the nacket's 802 in priority and send the nacket to priority queue								
	Classifier			Diffsen/								
			Action	No change								
	Policy			O Set the pag	cket's TOS f	field						
				O Set the Dif	fserv Codep	point field in the fram	e					
88	ONT Management	~		Outgoing								
				Send the p	acket to the	e egress port						
00	ONT Profile Management	~		Rate Limit								
00	ON THOME Management			L Enable			_					
									Add	Cancel	Refresh	
			Index	Active	Na	ame						Classifier(s)
										eleteCa	ncel	

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.

00 00	System Management	~	ONT Auto Fi	nd Configurati	on				
00 00	Port Management	~	Port	Auto Find	Interval(s)	List Age	Age Time(s)	Min Distance(km)	Max Distance(km)
	Basic Service	~	gpon0/2/1	on 🛩	20	off 🗸	300	0	20
00	Advanced Service	~	gpon0/2/2	on 🗸	20	off 🗸	300	0	20
00	Advanced Service		gpon0/2/3	on 🗸	20	off 🗸	300	0	20
88	ONT Management	^	gpon0/2/4	on 🗸	20	off 🗸	300	0	20
	Auto Find		gpon0/2/5	on 🗸	20	off 🗸	300	0	20
	Auto Config		gpon0/2/6	on 💙	20	off 🗸	300	0	20
			gpon0/2/7	on 🗸	20	off 🗸	300	0	20
	Silent		gpon0/2/8	on 🗸	20	off 🗸	300	0	20
	FEC		Apply Re	eset					

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.

B System Managemen	t 🗸	ONT Auto	Configuration Gl	obal Switch							
B Port Management	~	Global Swite	Global Switch								
Basic Service	~	(Apply) (F	leset								
B Advanced Service	~	ONT Auto C	Configuration Op	peration							
B ONT Management	^	Index	Name		Equipment ID		Line Profile				
Auto Find		0			all-ont		auto				
Auto Config		(Apply) (R	leset								
Silent		ONT Auto	Configuration Lis	it							
FEC		Index	Name Equipment ID		L	ine Profile	Delete				
Deactive		1		all-ont	O		no 🗸				
Protect Switch		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	~	Port	Auth-Fail Switch	Auth-Fail Time(s)	Offline Switch	Offline Time(s)						
00 00	Basic Service	~	gpon0/2/1	on 🗸	60	off 🗸	20						
00	Advanced Service	~	gpon0/2/2	on 💙	5	on 🗸	30						
00	Advanced Service	17.0	gpon0/2/3	off 🗸	60	off 🗸	20						
88	ONT Management	^	gpon0/2/4	off 🗸	60	off 🗸	20						
	Auto Find		gpon0/2/5	off 🗸	60	off 🗸	20						
	Auto Config		gpon0/2/6	off 🗸	60	off 🗸	20						
			gpon0/2/7	off 🗸	60	off 🗸	20						
	Silent		gpon0/2/8	off 🗸	60	off 🗸	20						
	FEC		Apply Re	set									

Figure 6-3

6.4 FEC

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

00 00	System Management	~	ONT FEC Configu	ration
	Port Management	~	Port	FEC
00	Basic Service	~	gpon0/2/1	on 🗸
		1000	gpon0/2/2	off 🗸
	Advanced Service	~	gpon0/2/3	off 🗸
88	ONT Management	^	gpon0/2/4	off 🕶
	Auto Find		gpon0/2/5	off 🗸
			gpon0/2/6	off 🗸
	Auto Config		gpon0/2/7	off 🗸
	Silent		gpon0/2/8	off 🗸
	FEC		Apply Reset)

Figure 6-4

6.5 Deactive

1. Click Config->ONT Management->Deactive

2. This page configures batch deactive the ONTs.

88	System Management	~	ONT	Deactive		
00	Port Management	~	ONT List	2/1/1,2/3/1,2	/6/1-2/8/8	
00	Basic Service	~	Activ	ve Deactive	e)	
00	Advanced Service	~	ONT	Deactive List		
88	ONT Management	^	ONT	List	2/1/1	
	Auto Find		Refr	esh		



6.6 Protect Switch

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

B System Management	~	Protect Switch Group Configure								
B Port Management	~	Index	Wor	'k Port		Protect Port				
Basic Service	~	0 🗸	gpo	on0/2/1 ¥		gpon0/2/1 ¥				
H Advanced Service	~	Apply	Reset							
BONT Management	^	Protect S	witch Group Force	e Switch						
Auto Find		Index								
Auto Config										
Silent		Apply	Reset							
FEC		Protect S	witch Group List							
		Index	Work Port	Work State	Protect Port	Protect State	Delete			
Deactive		0	gpon0/2/7	ACTIVE	gpon0/2/8	STANDBY	no 🗸			
Protect Switch		Refresh	Delete De	elete 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.

88	System Management	~	DB	A Profile C	Configura	ation				
	Port Management	~	+	l	Ū	Ð	0			Apply Cance
	Basic Service	~		Profile ID	Profil	e Name	DBA Type	Fixed Bandwidth (kbps)	Assured Bandwidth (kbps)	Maximum Bandwidth (kbps)
88	Advanced Service	~		0	defau	lt_index_(4			10240
- 44	Advanced Service			1	defau	lt_index_1	4			1200000
	ONT Management	~								
88	ONT Profile Management	^								
	DBA Profile									

Figure 7-1

7.2 Upstream Profile

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

	System Management	~	Ups	tream Profil	le Cont	figurati	ion					
	Port Management	~	+	2	Û	Ð	C				Apply	Cancel
88	Basic Service	~		Profile ID	Prof	file Nan	ne	Parameter Active	CIR (kbps)	CBS (kbytes)	PIR (kbps)	PBS (kbytes)
				0	defa	ult_inde	ex_0	Enable	64	2	64	2
	Advanced Service	*										
	ONT Management	~										
88	ONT Profile Management	^										
	DBA Profile											
	Upstream Profile											



7.3 Downstream Profile

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

00	System Management	~	Dov	Downstream Profile Configuration								
00	Port Management	~	+	2	⊡ ⊕ (Apply	Cancel		
80	Basic Service	~		Profile ID	Profile Name	Parameter Active	CIR (kbps)	CBS (kbytes)	PIR (kbps)	PBS (kbytes)		
88	Advanced Service	~		0	default_index_0	Enable	100000	268369	100000	268369		
88	ONT Management	~										
88	ONT Profile Management	^										
	DBA Profile											
	Upstream Profile											
	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.

00	System Management	~	VLAN Profile	Configuration		
88	Port Management	~	+ 🖉	⊡ ⊕ C		Apply Cancel
88	Basic Service	~		Profile ID	Profile Name	Detail
_				0	default_index_0	E
00	Advanced Service	~		1	default_index_1	Ξ
	ONT Management	~		2	default_index_2	E
	ONT Profile Management	^				
	DBA Profile					
	Upstream Profile					
	Downstream Profile					
	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.

	System Management	~	Rul	e Configu	uration for VLA	AN Profile [0]				
88	Port Management	~	+	0	Ū 🕀	0		G	oback Apply	Cancel
88	Basic Service	*		Rule ID	VLAN Action	Customer/Inner VLAN	Customer/Inner Priority	Service/Outer VLAN	Service/Outer Priority	Outer VLAN
	Advanced Service	~		1	Translate	100		100		
88	ONT Management	~								
88	ONT Profile Management	^								
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	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.

	System Management	~	Line	e Profile C	onfiguration							
	Port Management	~	+	0	Ū ⊕	0				(Apply C	ancel
	Basic Service	~		Profile ID	Profile Name	ONT Model	Mapping Mode	Qos Mode	FEC Status	Bind Alarm Profile	Bind Multicast Profile	Detail
88	Advanced Service	~		0	default_index_0	f0-s210 (common model for SFU)	VLAN	Priority Queue	Disable			E
88	ONT Management	~		1	default_index_1	f0-h210 (common model for HGU)	VLAN	Priority Queue	Disable			Ξ
88	ONT Profile Management	^										
	DBA Profile											
	Upstream Profile											
	Downstream Profile											
	VLAN Profile											
	Line Profile											

Figure 7-6

7.5.1 T-CONT

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

	System Management	~	T-CONT	Config	guration for Line Profile [0]	GEM Port Co	nfiguration	Mapping Configuration	Flow Configuration
	Port Management	~	+	0				Goback	Apply Cancel
	Basic Service	~			T-CONT ID		Bind DBA P	rofile	
	Advanced Service	*			1		0		
80	ONT Management	~							
	ONT Profile Management	^							
	DBA Profile								
	Upstream Profile								
	Downstream Profile								
	VLAN Profile								
	Line Profile								
Figu	ure 7-7								

7.5.2 GEM Port Configuration

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

	System Management	~	<u>T-C</u>	ONT Configuratio	n GEM Port Cont	figuration for Line Profile	[0] <u>Mapping Config</u>	uration Flow Configuration
88	Port Management	~	+	20	⊕ C		Gob	ack Apply Cancel
88	Basic Service	~		GEM Port ID	Bind T-CONT ID	Bind VLAN Profile	Bind Upstream Profile	Bind Downstream Profile
	Advanced Service	~		1	1	0		
	ONT Management	~						
88	ONT Profile Management	^						
	DBA Profile							
	Upstream Profile							
	Downstream Profile							
	VLAN Profile							
	Line Profile							

Figure 7-8

7.5.3 Mapping Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Mapping Configuration

2. This page configures the GEM port mapping.

	System Management	~	<u>T-CC</u>	ONT Configuration	GEM Port Configu	mation Mapping Co	nfiguration for Line Profile [0] <u>Flow Configuration</u>
88	Port Management	*	+	200			Goba	ck Apply Cancel
88	Basic Service	~		Mapping ID	Mapping Port	Mapping VLAN	Mapping Priority	Mapping GEM Port
				1		100		1
00 00	Advanced Service	~						
	ONT Management	~						
- 88	ONT Profile Management	^						
	DBA Profile							
	Upstream Profile							
	Downstream Profile							
	VLAN Profile							
	Line Profile							

Figure 7-9

7.5.4 Flow Configuration

1. Click Config->ONT Profile Management->Line Profile->Detail->Flow Configuration

2. This page configures the ONT ethernet flow.

00	System Management	~	T-C	ONT Confi	guration G	EM Port Configu	ration Mapping	Configuration Flow	v Configuration fo	r Line Profile [0]
80	Port Management	~	+	2	Ū ⊕	0		G	oback App	oly Cancel
88	Basic Service	~		Flow ID	Flow Port	VLAN Action	Customer VLAN	Customer Priority	Service VLAN	Service Priority
88	Advanced Service	~		0	Eth 1	Translate	100	0	200	0
00 00	ONT Management	~								
88	ONT Profile Management	^								
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									



7.6 Rule Profile

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

	System Management	~	Rule	Profile Confi	guration				
	Port Management	~	+	l t				Apply	Cancel
88	Basic Service	~		Profile ID	Profile Name	Auth Mode	SN/LOID	Password/Checkcode	Line Profile
				2/1/1	AUTO_ONT_2/1/1	SN	GPON-00aa5199		1
00	Advanced Service	~		2/1/2	AUTO_ONT_2/1/2	SN	STGU-0c800c92		1
88	ONT Management	~		2/2/1	AUTO_ONT_2/2/1	SN	STGU-0c800c92		0
				2/2/2	AUTO_ONT_2/2/2	SN	GPON-00aa5199		0
	ONT Profile Management	^		2/2/3	AUTO_ONT_2/2/3	SN	GPTF-00ed6885		0
	DBA Profile			2/6/1	AUTO_ONT_2/6/1	SN	GPON-00aa5199		1
				2/6/2	AUTO_ONT_2/6/2	SN	STGU-0c800c92		1
	Upstream Profile								
	Downstream Profile								
	VLAN Profile								
	Line Profile								
	Rule Profile								

Figure 7-11

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).

	System Management	~	Spe	cific Profile	Configuration				
80	Port Management	~	+	2	⊕ (
00	Basic Service	~			⊽ Filt	ter key in Profile I	D slot/pon/ont	Apply (Cancel
00	Dasic Scivice	823		Profile ID	Profile Name	ONT Description	Bind Alarm Profile	Bind Multicast Profile	Detail
	Advanced Service	~		2/1/1	default_index_0				E
00	ONT Management	~							
88	ONT Profile Management	^							
	DBA Profile								
	Upstream Profile								
	Downstream Profile								
	VLAN Profile								
	Line Profile								
	Rule Profile								
	Specific Profile								

Figure 7-12

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.

	System Management	~	T-C	CONT	GEI	M Por	t SI	Р	WAN	WLAN
00 00	Port Management	~	т-со	NT Cont	figuratio	n for Sp	pecific Pro	ofile [a	2/1/1]	
	Basic Service	~	+	0	Ū	Ð	C			Goback Apply Cancel
	Advanced Service	~			T-CON	TID				Bind DBA Profile
88	ONT Management	~			1					0 @AUTO_DBA_0
88	ONT Profile Management	^								
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									
	Rule Profile									
	Specific Profile									
Figu	ire 7-13									

7.7.2 GEM Port

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

00	System Management	~	T-	CONT	GEN	M Por	rt S	IP	WAN	WLAN					
	Port Management	~	GEN	A Port Cor	nfigurati	on for	Specific F	Profile [2/1/1]						
00	Basic Service	~	+	0	Ū	•	0				Goba	ck 🗌	Apply	Cance	
00	Advanced Service	~		GEM Po	ort ID	Bind	d VLAN P	rofile	Bind	Upstream P	rofile	Bind D	ownstream	n Profile	
00	ONT Management	~		1		0 @	AUTO_VL	AN_O	0@1			0			
88	ONT Profile Management	^													
	DBA Profile														
	Upstream Profile														
	Downstream Profile														
	VLAN Profile														
	Line Profile														
	Rule Profile														
	Specific Profile														

Figure 7-14

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.

00	System Management	~	Т-(CONT	GEM Port	SIP	WAN	WLAN		
00	Port Management	~	SI	^o Agent	SIP Use	er Address	SIP	User Informa	ation SI	IP Digit Map
00	Basic Service	~	SIP A	gent Confi	guration for S	pecific Profile	[2/1/1]			
88	Advanced Service	~	+	2				G	oback	Apply Cancel
00	ONT Management	~		Proxy Se	erver	Outbound F	Proxy	Registrar	Server	Signal Port
88	ONT Profile Management	^		10.1.1.1		10.1.1.1		10.1.1.1		
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									
	Rule Profile									
	Specific Profile									

Figure 7-15

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.

00	System Management	~	T	CONT	GEN	1 Por	t s	SIP WA	N W	LAN		
	Port Management	~	S	IP Agent	S	IP Us	ser Ad	dress	SIP Use	r Informa	tion SIP [Digit Map
	Basic Service	~	SIP	User Addre	ess Conf	igurat	ion for s	Specific Profil	e [2/1/1]			
80	Advanced Service	~	+	l	Û	С	1			Go	back Ap	ply Cancel
00 00	ONT Management	~		IP Mode	VLA	N P	riority	IP Address	Mask	Gateway	Primary DNS	Secondary DNS
88	ONT Profile Management	^		DHCP	100							
	DBA Profile											
	Upstream Profile											
	Downstream Profile											
	VLAN Profile											
	Line Profile											
	Rule Profile											
	Specific Profile											

Figure 7-16

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.

88	System Management	~	T-)	CONT	GE	M Po	rt SIP	WAN WL	AN	
	Port Management	~	SI	P Ager	nt S	SIP U	ser Address	SIP User I	Information	SIP Digit Map
00 00	Basic Service	~	SIP	Jser Info	Configu	ration	for Specific Profi	le [2/1/1]		
00	Advanced Service	~	+	0	Đ	0	ſ		Goback	Apply Cancel
00	ONT Management	~		POTS	Number		Description	Username	Password	Telephone Number
88	ONT Profile Management	^		1			123456	3000	abcd123	3000
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									
	Rule Profile									
	Specific Profile									

Figure 7-17

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.

B System Managemen	nt 🗸	T-CON	IT GE	M Port	SIP	WAN	WLAN		
B Port Management	~	SIP Ag	gent	SIP User	Address	s SIP	User Information	SIP Digit Map	
Basic Service	~	SIP Digit	Map Config	juration fo	r Specific Pr	rofile [<mark>2/1</mark> /	"1]		
Hadvanced Service	~	+	0	0			Goback	C Apply C	ancel
BONT Management	~		Dial Plan	ID		Dial Pla	an Token		
BONT Profile Manage	ement 🔺		1			134567	481341564561313		
DBA Profile									
Upstream Profile									
Downstream Profile									
VLAN Profile									
Line Profile									
Rule Profile									
Specific Profile									

Figure 7-18

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.

88	System Management	*	T	CONT	GE	M Port	SIP	WAN	WL	AN				
88	Port Management	~	WA	N Config	guration	for Specit	fic Profile [2	/1/1]						
88	Basic Service	~	+	2	Ū	0				Go	back	Appl	у	Cancel
00	Advanced Service	~		WAN Index	IP Mode	User Name	Password	Service Name	NAT Status	Service Type	Bind LANs	Connect Type	VLAN	Priority
00	ONT Management	~		1	DHCP				Disable	tr069		route	100	
				2	PPPoE	pppoe	pppoe		Disable	internet	1	route	101	
88	ONT Profile Management	^		3	DHCP				Disable	voip		route	102	
	DBA Profile			4	DHCP				Disable	other	2	bridge	103	
	Upstream Profile													
	Downstream Profile													
	VLAN Profile													
	Line Profile													
	Rule Profile													
	Specific Profile													

Figure 7-19

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.

00	System Management	~	T-C	ONT	GEM	1 Port	SIP	WAN	WLAN	
88	Port Management	~	WLAN	Config	uration f	or Specif	ic Profile [2/1/1]		
	Basic Service	~	+	0	Ū	0				Goback Apply Cancel
88	Advanced Service	~		WL	AN ID		SSID	Key		Bind WiFi Profile
				0			1	1234	5678	0
	ONT Management	~		1			2	1234	5678	.1
	ONT Profile Management	^								
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									
	Rule Profile									
	Specific Profile									

Figure 7-20

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.

	System Management	~	Ala	rm Profile	Configuration					
	Port Management	~	+	2	⊕ :	C			Apply	Cancel
00	Basic Service	~		Profile ID	Profile Name	Parameter Active	RX Low (dBm)	RX High (dBm)	TX Low (dBm)	TX High (dBm)
00	Advanced Service	~		0	default_index_0	Enable	-10	-5	3	10
00	ONT Management	*								
88	ONT Profile Management	^								
	DBA Profile									
	Upstream Profile									
	Downstream Profile									
	VLAN Profile									
	Line Profile									
	Rule Profile									
	Alarm Profile									



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.

88	System Management	~	Multi	cast Pr	ofile Con	figurati	ion					
88	Port Management	~	+	0	Đ	Ð	0)		A	pply	Cancel
88	Basic Service	~			Profile I	D		Profile N	lame		Detail	
88	Advanced Service	~			0			default_i	ndex_0		Ξ	
	ONT Management	~										
88	ONT Profile Management	^										
	DBA Profile											
	Upstream Profile											
	Downstream Profile											
	VLAN Profile											
	Line Profile											
	Rule Profile											
	Alarm Profile											
	Multicast Profile											

Figure 7-22

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.

	系统管理	~	表现	表项配置-组播模板 [0]										
88	端口管理	~	+	0	Ū	• C					返回			取消
	基本业务	~		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
88	高级业务	~		0	Preview	22 <mark>4.1.1.1</mark>	1.1.1.1	1		10	30	1:00	3	1
	ONT管理	~		1	Permit	225.1.1.1	2.1.1.1	1						1
- 88	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													

Figure 7-23

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.



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.

00	Software Upgrading	~	Config File Update	
88	Configuration Operation	^	Select Config File	选择文件
	Configuration Update		Save Config File	Save Config File
	Configuration Save		Update	
00	Device Reboot	~		
00	ONT Operation	~		
88	Logo Replace	~		

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.

	Software Upgrading	~	Sure to save all settings?
	Configuration Operation	^	
	Configuration Update		Click to start saving all settings to system FLASH All saved settings will still have effect after restart
0	Configuration Save		Save
00 00	Device Reboot	~	
<u></u>	ONT Operation	~	
88	Logo Replace	~	
Figure	e 8-3		1

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.

22	Software Upgrading	~	ONT Upgra	de
00	Configuration Operation	~	ONT Match	ONT List 🖌
00	Device Reboot	~	Туре	
-	ONT Operation		ONT List String	2/1/1,2/3/1,2/6/1-2/8/8
	Software Upgrade		ONT Image File Select	选择文件
	Upgrade Progress		Upgrade Type	Reboot Automatically After Upgrade 🗸
	Configuration Load		Device Type	None 🗸
	Load Progress		Software	None 🗸
	Reboot		Version Filter	······································
	Logo Replace	~	Upgrade Time Setting	Right Now 👻
			Upgrade)
Figu	re 8-5			

8.4.4 Upgrade Progress

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

80	Software Upgrading	~	ONT Upgrad	de Prog	ress List				
00	Configuration Operation	~	Port	ONT	Main Software Version	Secondary Software Version	Result	Progress	Schedule
	Device Reboot	~	gpon0/2/2	3	V1.0.1	N/A	loading	38%	Stop
88	ONT Operation	^	Refresh						
	Software Upgrade								
	Upgrade Progress								
	Configuration Load								
	Load Progress								
	Reboot								
	Logo Replace	~	1						



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.

	Software Upgrading	~	ONT Configura	ation Load
00	Configuration Operation	~	ONT Match Type	ONT List 🖌
	Device Reboot	~	ONT List String	2/1/1,2/3/1,2/6/1-2/8/8
88	ONT Operation	^	TFTP Server IP Address	192.168.1.1
	Software Upgrade		Configuration File Name	ont.xml
	Upgrade Progress		Device Type Filter	None 🗸
	Configuration Load		Software Version Filter	None 🗸
	Load Progress		Configuratio	on Load
	Reboot			
00	Logo Replace	~		

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.

88	Software Upgrading	~	ONT L	oad Prog	ress List			
	Configuration Operation	~	Port	ONT	Main Software Version	Secondary Software Version	Result	Progress
	Device Reboot	~	Refre	sh				
88	ONT Operation	^						
	Software Upgrade							
	Upgrade Progress							
	Configuration Load							
	Load Progress							
	Reboot							
	Logo Replace	~						



8.4.5 ONT Reboot

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

00	Software Upgrading	~	ONT Reboot
00 00	Configuration Operation	~	ONT List
00	Device Reboot	~	reboot
88	ONT Operation	^	
	Software Upgrade		
	Upgrade Progress		
	Configuration Load		
	Load Progress		
	Reboot		
00	Logo Replace	~	

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