



HE5000 EPON OLT WEB USER MANUAL

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Chapter 1 Monitor

1.1 System Information

1.1.1 LoginOLT

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

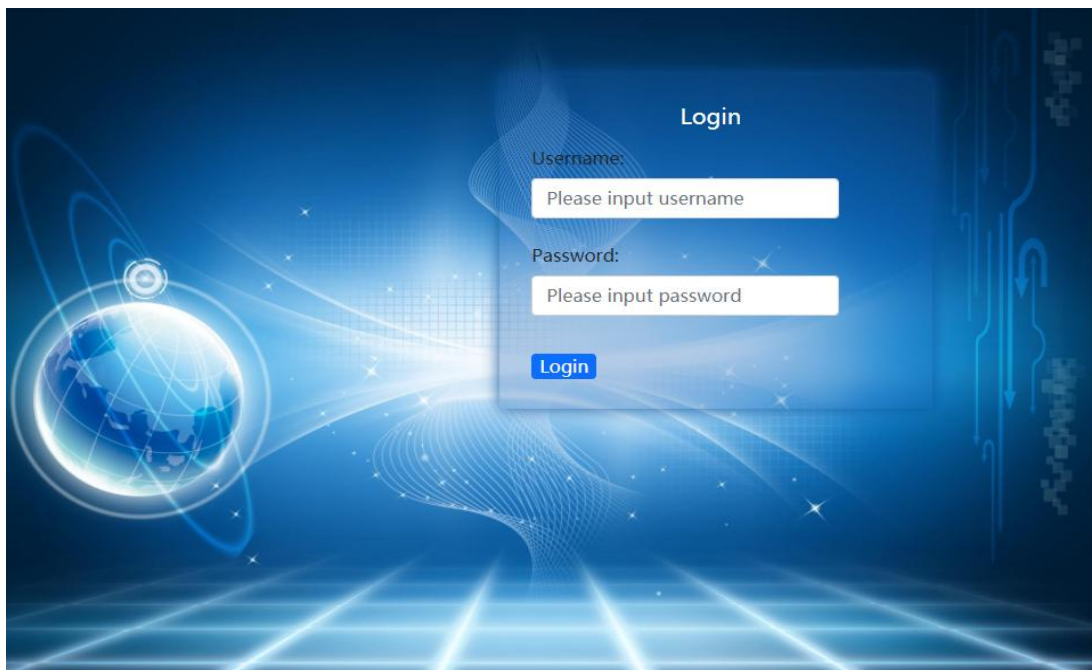


Figure 1-1

1.1.2 Device Information

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

System Information ^	Device Information	
Device Information	Product Description	E04 EPON Product
Port Information v	Hardware Version	V1.0
EPON Information v	Software Version	V1.00.B11
ONU Information v	MAC Address	00:88:88:55:66:77
Syslog Information v	System Startup Time	0-Days 18-Hours 24-Minutes 43-Seconds
	Web Page Timeout (minute)	5
	System Clock	Sun 2000/06/11 09:40:40 UTC +08:00
	Board Temperature	35.125(°C)
	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.

System Information v	Port Status Information						
Port Information ^	Port	Status	Link	Priority	Set Speed	Actual Speed	MTU
Basic Information	e0/0/1	enabled	down	0	auto	unknown	9600
Basic Statistics	e0/0/2	enabled	down	0	auto	unknown	9600
Detail Statistics	e0/0/3	enabled	down	0	auto	unknown	9600
Optical Module	e0/0/4	enabled	down	0	auto	unknown	9600
EPON Information v	e0/1/1	enabled	down	0	auto	unknown	9600
ONU Information v	e0/1/2	enabled	down	0	auto	unknown	9600
Syslog Information v	e0/1/3	enabled	down	0	auto	unknown	9600
	e0/1/4	enabled	down	0	auto	unknown	9600
	epon0/2/1	enabled	up	0	auto	full-1000	9600
	epon0/2/2	enabled	up	0	auto	full-1000	9600
	epon0/2/3	enabled	up	0	auto	full-1000	9600
	epon0/2/4	enabled	up	0	auto	full-1000	9600
	Refresh						

Figure 1-3

1.2.2 Basic Statistics

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

System Information

Port Information

Basic Information

Basic Statistics

Detail Statistics

Optical Module

EPON Information

ONU Information

Syslog Information

Port Statistics Information

Port	Receive Packets	Receive Bytes	Receive Errors	Transmit Packets	Transmit Bytes	Transmit Errors
e0/0/1	0	0	0	0	0	0
e0/0/2	0	0	0	0	0	0
e0/0/3	0	0	0	0	0	0
e0/0/4	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
epon0/2/1	0	0	0	0	0	0
epon0/2/2	0	0	0	0	0	0
epon0/2/3	0	0	0	0	0	0
epon0/2/4	0	0	0	0	0	0

Refresh

Clear

Figure 1-4

1.2.3 Detail Statistics

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

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

Refresh Clear

Figure 1-5

1.2.4 Optical Module

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

System Information

Port Information

Basic Information

Basic Statistics

Detail Statistics

Optical Module

EPON Information

ONU Information

Syslog Information

Optical Module Basic Information

Port	Transceiver	Compliance	Connector	WaveLength(nm)	Transfer Distance(m)	DDM	Serial Number	Date	Vendor

Optical Module DDM Information

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
Refresh											

Figure 1-6

1.3 EPON Information

1.3.1 Port Statistics

- 1.Click Monitor->EPON Information->Port Statistics
2. This page displays PON port optical modules and PON port traffic statistics.

System Information

Port Information

EPON Information

Port Statistics

ONU Information

Syslog Information

EPON Optical Power Statistics

Port	Optical Module	Link Status	Temperature(°C)	Voltage(V)	Bias Current(mA)	Tx Power(dBm)	Rx Power(dBm)
epon0/2/1	exist	Up	29	3.31	4.83	4.3072	-22.5964
epon0/2/2	exist	Down	35	3.35	14.73	4.9567	-36.9897
epon0/2/3	exist	Down	32	3.28	6.75	4.3707	-inf
epon0/2/4	exist	Down	34	3.26	9.15	7.6889	-inf

EPON Traffic Statistics

Port	Status	Rx Bytes	Rx Pkts	Rx Unicast Pkts	Rx Multicast Pkts	Rx Broadcast Pkts	Rx Error Pkts	Tx Bytes	Tx Pkts	Tx Unicast Pkts	Tx Multicast Pkts	Tx Broadcast Pkts	Tx Error Pkts
epon0/2/1	ready	68	1	0	1	0	0	0	0	0	0	0	0
epon0/2/2	ready	0	0	0	0	0	0	0	0	0	0	0	0
epon0/2/3	ready	0	0	0	0	0	0	0	0	0	0	0	0
epon0/2/4	ready	0	0	0	0	0	0	0	0	0	0	0	0

Refresh

Clear

Figure 1-7

1.4 ONU Information

ONU information includes ONU status, power, temperature and other information.

1.4.1 ONU Status

- 1.Click Monitor->ONU information->ONU Status

2. This page displays ONU's mac address, type, registration time and software information, etc.

EPON Port Selection

epon0/2/1

Online ONU Status

ONU	MAC address	Type	Distance(m)	Register Time	Software	Status
0/2/1:2	00:00:00:aa:51:99	other type	113	21/09/17 10:31:29	V1.0.0B04	Up
0/2/1:3	00:00:00:d9:18:21	other type	113	21/09/17 10:31:29	V1.0.0B04	Up

Refresh

Offline ONU Status

ONU	MAC address	Type	Deregister Time	Deregister Reason
0/2/1:1	00:05:1d:03:04:05	other type	21/09/17 10:35:30	power off

Refresh

Figure 1-8

1.4.2 ONU Auto Discovery

1. Click Monitor->ONU information->ONU Auto Discovery

2. This page displays information about ONUs that have failed authentication.

EPON Port Selection

epon0/2/1

Port	Authentication Mode
epon0/2/1	mac_auth

ONU Information

Index	Reason	MAC Address	LOID	Password	Timeout	Add
-------	--------	-------------	------	----------	---------	-----

Refresh

Figure 1-9

1.4.3 Optical Performance Monitor

1. Click Monitor->ONU information->Optical Performance Monitor

2. This page displays the ONU's temperature, voltage, bias current, Txpower and Rx power information

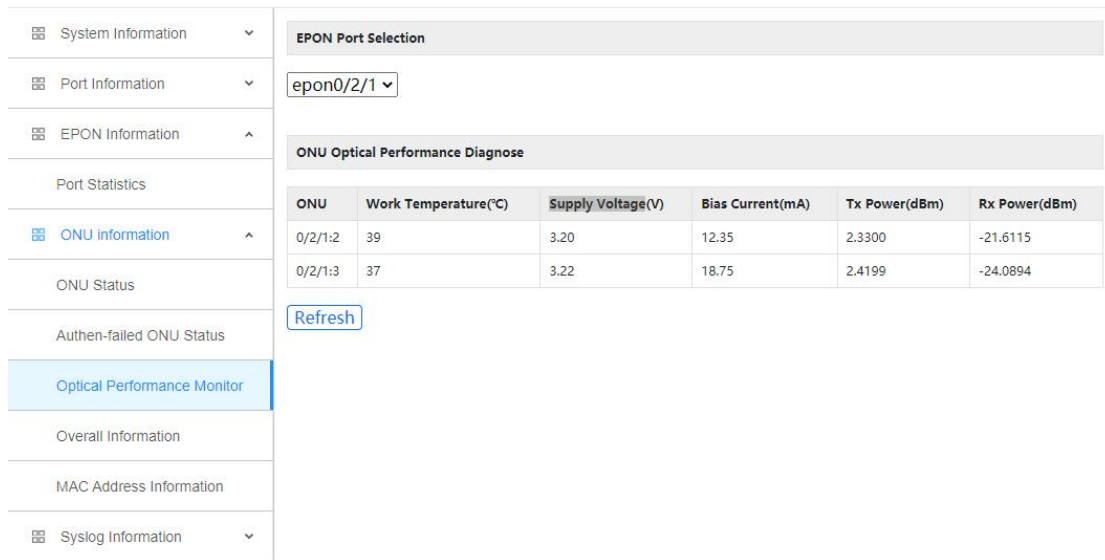


Figure1-10

1.4.4 Overall Information

- 1.Click Monitor->ONU information->Overall Information
2. This page displays ONU's CTC version, SN, Chip and Firmware information

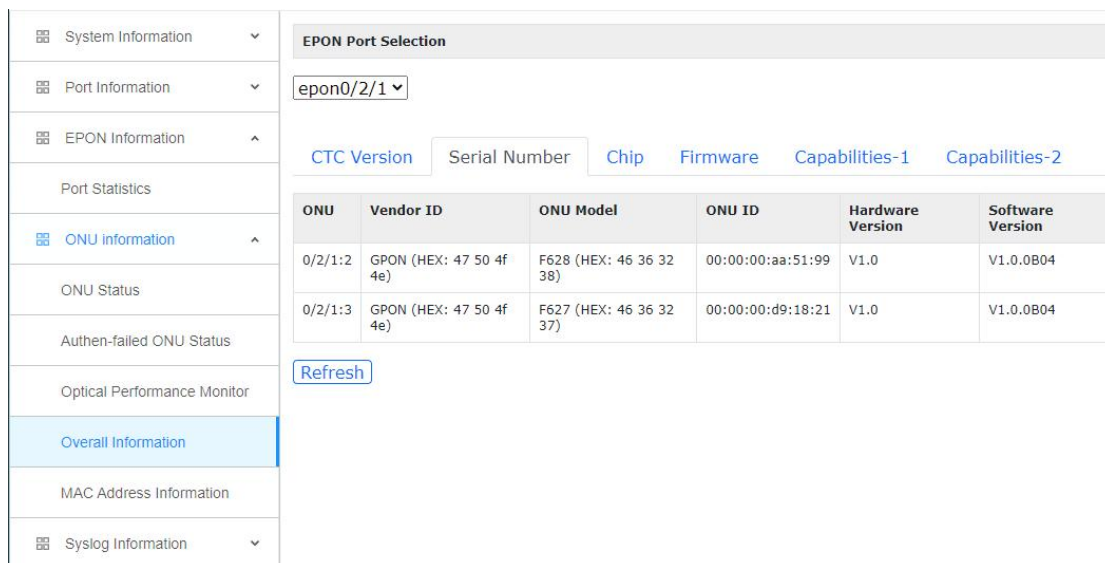


Figure 1-11

1.4.5 MAC Address Information

- 1.Click Monitor->ONU information->MAC Address Information
2. This page displays the MAC address learned by ONU

System Information

Port Information

EPON Information

Port Statistics

ONU information

ONU Status

Authen-failed ONU Status

Optical Performance Monitor

Overall Information

MAC Address Information

Syslog Information

ONU Selection

epon0/2/1 ONU: 2

ONU[epon0/2/1:2] MAC Address Informations

VLAN	MAC	Status
100	00:00:00:d9:18:21	dynamic

Refresh

Figure 1-12

1.5 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

Port Information

EPON Information

Port Statistics

ONU information

ONU Status

Authen-failed ONU Status

Optical Performance Monitor

Overall Information

MAC Address Information

Syslog Information

Syslog Log Informations

Index	Log Information
1	01:34:33: %ONU-6-Informational: 2021/09/17 10:35:30 LINK EVENT (onu status): Dereg onu 0/2/1:1 mac 00:05:1d:03:04:05 reason ONU TIMEOUT, type 1G/1G
2	01:34:32: %ONU-6-Informational: 2021/09/17 10:35:29 onu 0/2/1:1 mac 00:05:1d:03:04:05 power off, olt = 1
3	01:30:35: %ONU-6-Informational: AUTH EVENT : current status disable authentication: epon port 0/2/1, onu mac 00:00:00:d9:18:21, loid: NULL passwd: NULL check passed.
4	01:30:35: %ONU-6-Informational: AUTH EVENT : current status disable authentication: epon port 0/2/1, onu mac 00:00:00:aa:51:99, loid: NULL passwd: NULL check passed.
5	01:30:32: %ONU-6-Informational: 2021/09/17 10:31:29 LINK EVENT (onu status): Reg onu 0/2/1:3 mac 00:00:00:d9:18:21 reason Auth passed, type 1G/1G
6	01:30:32: %ONU-6-Informational: 2021/09/17 10:31:29 LINK EVENT (onu status): Reg onu 0/2/1:2 mac 00:00:00:aa:51:99 reason Auth passed, type 1G/1G
7	01:30:31: %ONU-6-Informational: AUTH EVENT : current status disable authentication: epon port 0/2/1, onu mac 00:05:1d:03:04:05, loid: NULL passwd: NULL check passed.
8	01:30:31: %EPON-6-Informational: 2021/09/17 10:31:27 LINK EVENT (olt status): epon port 0/2/1 link up
9	01:30:31: %ONU-6-Informational: 2021/09/17 10:31:27 LINK EVENT (onu status): Reg onu 0/2/1:1 mac 00:05:1d:03:04:05 reason Auth passed, type 1G/1G
10	01:30:21: %ONU-6-Informational: 2021/09/17 10:31:17 LINK EVENT (onu status): Dereg onu 0/2/2:2 mac 00:00:00:aa:51:99 reason ONU TIMEOUT, type 1G/1G

Figure 1-13

Chapter 2 System Management

System OEM information modification and user management, etc.

2.1 System Information

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

System Management

System Information

Web Timeout

User Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

System Information Settings

System Description	EPON OLT
System Object ID	1.3.6.1.4.1.8888.1.3.32.1
System Port Quantity	12
System Startup Time	18 hour 54 minute 47 second 94 tick
System Name	
System Location	
System Contact	
Product Description	E04 EPON Product

RefreshModify

Figure 2-1

2.2 Web Timeout

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

System Management

System Information

Web Timeout

User Management

Port Management

Basic Service

Advance Service

EPON Management

ONU Management

ONU Profile Management

Web page timeout settings

Current web page timeout:20minutes

Select new web page timeout: 20 minutes

Apply

5101520

Figure 2-2

2.3 User Management

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

2.3.1 User Overview

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

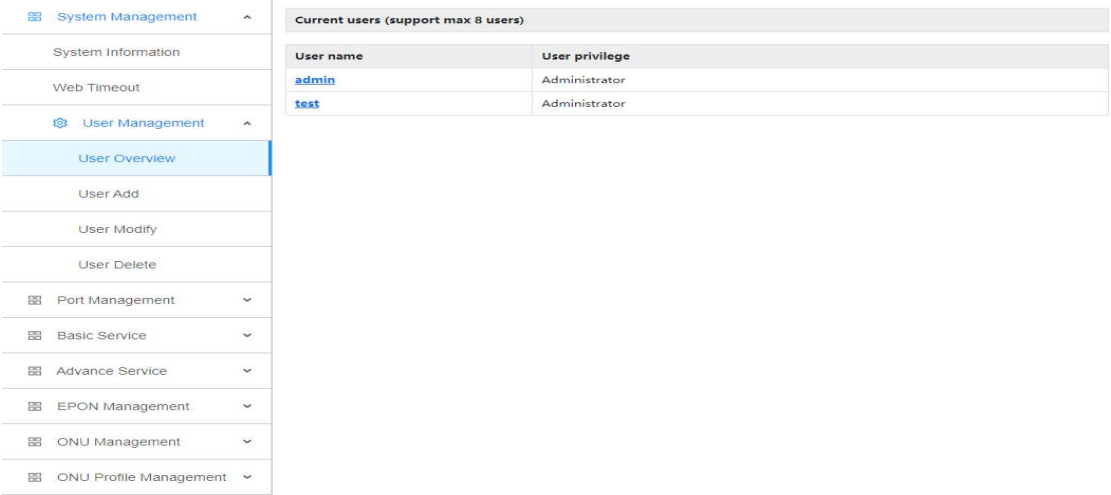


Figure 2-3

2.3.2 User Add

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

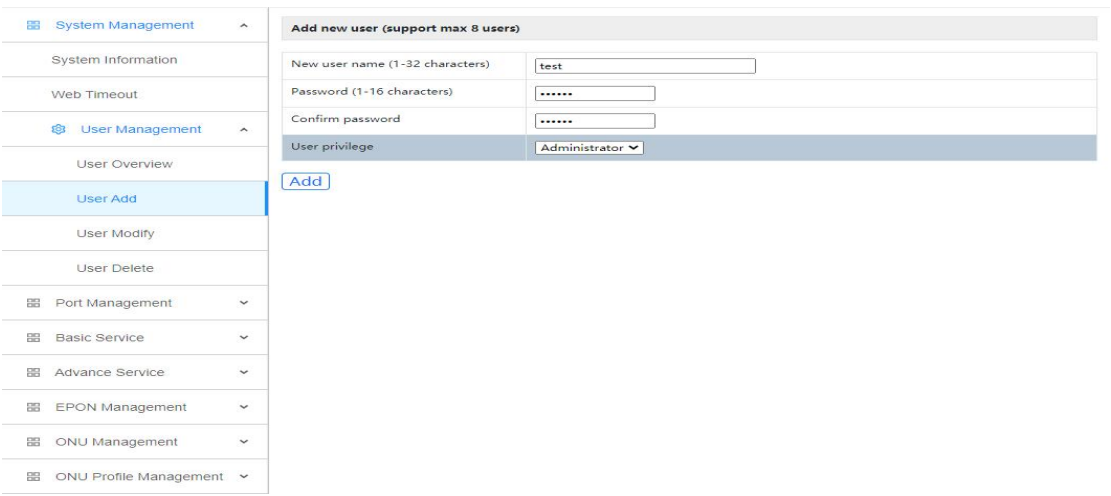


Figure2-4

2.3.3 User Modify

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

Modify user	
User name	test
New password (1-16 characters)	
Confirm password	
User privilege	Normal

[Modify](#)

Figure 2-5

2.3.4 User Delete

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

Delete Exist User	
Select User To Delete	admin

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

Figure 2-6

Chapter 3 Port Management

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

3.1 Basic Configuration

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

System Management

Port Management

Basic Configuration

Port Mirror

Port Isolation

Storm Control

Bandwidth Control

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Port Basic Settings

Port	Status	Link	Priority	Set speed	Actual speed	MTU	Port Description (0-128 chars)
e0/0/1	enable	down	0	auto	unknown	9600	
Refresh Modify							
e0/0/1	enabled	down	0	auto	unknown	9600	
e0/0/2	enabled	down	0	auto	unknown	9600	
e0/0/3	enabled	down	0	auto	unknown	9600	
e0/0/4	enabled	down	0	auto	unknown	9600	
e0/1/1	enabled	down	0	auto	unknown	9600	
e0/1/2	enabled	down	0	auto	unknown	9600	
e0/1/3	enabled	down	0	auto	unknown	9600	
e0/1/4	enabled	down	0	auto	unknown	9600	
epon0/2/1	enabled	up	0	auto	full-1000	9600	
epon0/2/2	enabled	up	0	auto	full-1000	9600	
epon0/2/3	enabled	up	0	auto	full-1000	9600	
epon0/2/4	enabled	up	0	auto	full-1000	9600	

Figure 3-1

3.2 Port Mirror

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

System Management

Port Management

Basic Configuration

Port Mirror

Port Isolation

Storm Control

Bandwidth Control

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Mirror Destination Port

Mirror Destination Port e0/0/4

Mirror Source Port

Port	Mirrored	Direction
e0/0/1	☒	Both
e0/0/2	☒	Both
e0/0/3	☒	Both
e0/0/4	☐	Both
e0/1/1	☐	Both
e0/1/2	☐	Both
e0/1/3	☐	Both
e0/1/4	☐	Both
epon0/2/1	☐	Both
epon0/2/2	☐	Both
epon0/2/3	☐	Both
epon0/2/4	☐	Both

Apply

Cancel

Figure 3-2

3.3 Port Isolation

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

System Management

Port Management

Basic Configuration

Port Mirror

Port Isolation

Storm Control

Bandwidth Control

Basic Service

Advanced Service

Port Isolation

Port	Uplink Port List(such as e0/0/1-e0/0/2,e0/0/4,e0/1/1)
e0/0/1	
e0/0/2	
e0/0/3	
e0/0/4	
e0/1/1	
e0/1/2	
e0/1/3	
e0/1/4	

Refresh

Apply

Figure 3-3

3.4 Storm Control

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

System Management		Storm Control			
Port Management		Port	Broadcast(unit:pps)	Multicast(unit:pps)	Unicast(unit:pps)
Basic Configuration		e0/0/1	☒ 500 pps	☐ pps	☒ 500 pps
Port Mirror		e0/0/2	☒ 500 pps	☐ pps	☒ 500 pps
Port Isolation		e0/0/3	☒ 500 pps	☐ pps	☒ 500 pps
Storm Control		e0/0/4	☒ 500 pps	☐ pps	☒ 500 pps
Bandwidth Control		e0/1/1	☒ 500 pps	☐ pps	☒ 500 pps
Basic Service		e0/1/2	☒ 500 pps	☐ pps	☒ 500 pps
Advanced Service		e0/1/3	☒ 500 pps	☐ pps	☒ 500 pps
EPON Management		e0/1/4	☒ 500 pps	☐ pps	☒ 500 pps
ONU Management		epon0/2/1	☒ 500 pps	☐ pps	☒ 500 pps
ONU Profile Management		epon0/2/2	☒ 500 pps	☐ pps	☒ 500 pps
		epon0/2/3	☒ 500 pps	☐ pps	☒ 500 pps
		epon0/2/4	☒ 500 pps	☐ pps	☒ 500 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

System Management		Bandwidth Control		
Port Management		Port	Ingress Rate	Egress Rate
Basic Configuration		e0/0/1	kbps	kbps
Port Mirror		e0/0/2	kbps	kbps
Port Isolation		e0/0/3	kbps	kbps
Storm Control		e0/0/4	kbps	kbps
Bandwidth Control		e0/1/1	kbps	kbps
Basic Service		e0/1/2	kbps	kbps
Advanced Service		e0/1/3	kbps	kbps
		e0/1/4	kbps	kbps

[Refresh](#)
[Apply](#)
[Cancel](#)

Figure 3-5

Chapter 4 Basic Service

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

4.1 VLAN Configuration

VLAN configuration can create VLANs and bind ports

4.1.1 Static VLAN

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

VLAN Information					
VLAN	Status	Member Ports	Static Tag Ports	Static Untag Ports	Dynamic Tag Ports
1	static	e0/0/1-e0/1/4,epon0/2/1-epon0/2/4		e0/0/1-e0/1/4,epon0/2/1-epon0/2/4	

Figure 4-1

4.1.2 VLAN Port

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

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

DHCP Configuration

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Port VLAN Settings

Port

e0/0/1

PVID(1-4094)

1

Mode

hybrid

Tag VLAN(8,9,11-15)

Untag VLAN(8,9,11-15)

1

Refresh

Modify

Port VLAN Information

Port	PVID(1-4094)	Mode	Tag Vlan List	Untag Vlan List
e0/0/1	1	hybrid		1
e0/0/2	1	hybrid		1
e0/0/3	1	hybrid		1
e0/0/4	1	hybrid		1
e0/1/1	1	hybrid		1
e0/1/2	1	hybrid		1
e0/1/3	1	hybrid		1
e0/1/4	1	hybrid		1
epon0/2/1	1	hybrid		1
epon0/2/2	1	hybrid		1
epon0/2/3	1	hybrid		1
epon0/2/4	1	hybrid		1

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	192.168.168.1
Mask	255.255.255.0
Refresh 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	New...
VLAN ID	
IP address	
Subnet mask	
Refresh New Apply 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.

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

MGMT IP Configuration

VLAN IP Configuration

Static Route Configuration

Static Route

Destination IP

Subnet mask

Nexthop

Add

Static Route Table

DestIP	Subnet mask	Nexthop	Operation
Refresh			

Figure 4-5

4.3 Multicast

4.3.1 Multicast Configuration

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

System Management

Port Management

Basic Service

VLAN Configuration

Static VLAN

VLAN Port

IP and Route Config...

MGMT IP Configuration

VLAN IP Configuration

Static Route Configuration

Multicast

Multicast Configuration

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:H:H:H	

Refresh Add Delete

Multicast Information

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

Figure 4-6

4.3.2 IGMP Configuration

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

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

Figure 4-7

4.4 STP Configuration

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

4.4.1 Global Configuration

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

IP and Route Config...

MGMT IP Configuration

VLAN IP Configuration

Static Route Configuration

Multicast

Multicast Configuration

IGMP Configuration

STP Configuration

Global Configuration

STP/RSTP Port Configur...

LACP Configuration

MAC Configuration

SNMP Configuration

DHCP Configuration

Advanced Service

EPON Management

ONU Management

Global STP Settings

Remote Loop Detect

disable

Spanning Tree Mode

RSTP (Rapid Spanning Tree)

STP State

disable

Apply

Bridge Settings

Priority (0-61440, in steps of 4096)

32768

Hello Time (1-10 sec.)

2

Forward Delay (4-30 sec.)

15

Max Age (6-40 sec.)

20

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

Modify

STP Status

Bridge ID	32768 00:88:88:55:66:77
Root Bridge ID	32768 00:88:88:55:66:77
Root Port	0
Path Cost To Root Bridge	0
STP Topology Changes Count	0

Refresh

Figure 4-8

4.4.2 STP/RSTP Port Configuration

1. Click Config->Basic Service->Stp Configuration->STP/RSTP 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.

Static VLAN	Port STP Settings						
VLAN Port	Port	Remote Loop Detect	STP State	Port Role	Path Cost (1-200000000)	Priority (0-240)	Port State
IP and Route Config...	e0/0/1	enable	enable	disabledPort	20000	128	DOWN
MGMT IP Configuration	Refresh Modify						
VLAN IP Configuration	e0/0/1	disable	enable	designatedPort	20000	128	DOWN
Static Route Configuration	e0/0/2	disable	enable	designatedPort	20000	128	DOWN
Multicast	e0/0/3	disable	enable	designatedPort	20000	128	DOWN
Multicast Configuration	e0/0/4	disable	enable	designatedPort	20000	128	DOWN
IGMP Configuration	e0/1/1	disable	enable	designatedPort	200000	128	DOWN
STP Configuration	e0/1/2	disable	enable	designatedPort	200000	128	DOWN
Global Configuration	e0/1/3	disable	enable	designatedPort	200000	128	DOWN
STP/RSTP Port Configu...	e0/1/4	disable	enable	designatedPort	200000	128	DOWN
	epon0/2/1	disable	disable	disabledPort	20000	128	forwarding
	epon0/2/2	disable	disable	disabledPort	20000	128	forwarding
	epon0/2/3	disable	disable	disabledPort	20000	128	forwarding
	epon0/2/4	disable	disable	disabledPort	20000	128	forwarding

Figure 4-9

4.5 LACP Configuration

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

4.5.1 Status Display

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

System Management	Link Aggregation Status					
Port Management	Group ID	Enabled Ports	Synchronized Ports	Aggregator ID	Criteria	Status
Basic Service	T0	-	-	-	-	-
VLAN Configuration	T1	1-2	1	1	-	static
IP and Route Config...	T2	-	-	-	-	-
Multicast	T3	-	-	-	-	-
Stp Configuration	T4	-	-	-	-	-
LACP Configuration	T5	-	-	-	-	-
Status Display	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.

The screenshot shows the LACP Configuration page. On the left is a sidebar with navigation options: VLAN IP Configuration, Static Route Configuration, Multicast, Multicast Configuration, IGMP Configuration, STP Configuration, Global Configuration, STP/RSTP Port Configur..., LACP Configuration (selected), and Status Display. The main content area is titled 'Link Aggregation Settings'. It has a 'Criteria' dropdown set to 'src-mac' and an 'Apply' button. Below this is a table with three columns: Port, Group ID, and LACP Mode. The table lists ports e0/0/1 through e0/1/4, all with 'none' in the Group ID and LACP Mode columns. At the bottom are 'Apply' and 'Reset' buttons.

Port	Group ID	LACP Mode
e0/0/1	none	none
e0/0/2	none	none
e0/0/3	none	none
e0/0/4	none	none
e0/1/1	none	none
e0/1/2	none	none
e0/1/3	none	none
e0/1/4	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.

The screenshot shows the Link Aggregation Control Protocol page. The sidebar is similar to Figure 4-11, but 'Protocol control' is selected under 'LACP Configuration'. The main content area is titled 'Link Aggregation Control Protocol'. It has a 'System Priority' field set to '32768'. Below this is a table with two columns: Group ID and LACP Active. The table lists groups T0 through T7, with T1 having the 'LACP Active' checkbox checked. At the bottom is another table with two columns: Port and Port Priority. It lists port '1' with a 'Port Priority' of '128'.

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

Port	Port Priority
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.

IGMP Configuration	Port-MAC Binding Outline			
STP Configuration	Port	Port-MAC Binding	Port	Port-MAC Binding
Global Configuration	e0/0/1	disable	e0/0/2	disable
STP/RSTP Port Configur...	e0/0/3	disable	e0/0/4	disable
LACP Configuration	e0/1/1	disable	e0/1/2	disable
Status Display	e0/1/3	disable	e0/1/4	disable
LACP Configuration	epon0/2/1	disable	epon0/2/2	disable
Protocol Control	epon0/2/3	disable	epon0/2/4	disable
MAC Configuration				
Port Binding Display				

Figure 4-13

4.6.2 Port Binding Configuration

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

IGMP Configuration	Port Selection
STP Configuration	e0/0/1
Global Configuration	Port-MAC Binding Settings e0/0/1
STP/RSTP Port Configur...	Port-MAC Binding Enable ☐
LACP Configuration	Modify
Status Display	Add Static Port-MAC Entry (use current port)
LACP Configuration	MAC Address (H:H:H:H:H:H)
Protocol Control	VLAN ID
MAC Configuration	Add
Port Binding Display	Port-MAC Entries Of Current Port
Port Binding Configuration	Refresh
SNMP Configuration	Index MAC Address VLAN ID Port Status Delete Index MAC Address VLAN ID Port Status Delete
DHCP Configuration	

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).

ID	Name (1-20 characters)	Access Privilege	Status	View (0-32 characters)
1	test	Read-only	Active	iso
1	test	Read-only	Active	iso

Refresh Add Modify Delete

Figure 4-15

4.7.2 Trap Configuration

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

System Management

Port Management

Basic Service

VLAN Configuration

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

SNMP Trap Settings

Trap Status

enable

Apply

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

Refresh

Add

Modify

Delete

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.

IP and Route Config...

Multicast

STP Configuration

LACP Configuration

MAC Configuration

SNMP Configuration

Community Configuration

Trap Configuration

DHCP Configuration

DHCP Snooping

IP-Mac Binding

DHCP Server & Relay

Advanced Service

EPON Management

DHCP Snooping Trust Port Settings

Dhcp-snooping Enable

enable

Option82 Control

enable

Refresh

Modify

Port	Trust
e0/0/1	☒
e0/0/2	☒
e0/0/3	☐
e0/0/4	☐
e0/1/1	☐
e0/1/2	☐
e0/1/3	☐
e0/1/4	☐
epon0/2/1	☐
epon0/2/2	☐
epon0/2/3	☐
epon0/2/4	☐

Refresh

Apply

Figure 4-17

4.8.2 IP-MacBinding

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

System Security Settings

Disable Unbinding Entry To Access Network ☐

Modify

Add IP-MAC-PORT-VLAN Binding Entry

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

Port VLAN ID

Add

Binding Table

[One Click Binding](#) [One Click Unbinding](#)

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

Refresh

Figure 4-18

4.8.3 DHCP Server&Relay

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

DHCP Server configuration

Server Select

GROUP ID

Server IP

Refresh **New** **Apply** **Delete**

DHCP-Server Binding

VLAN Interface ID

DHCP-Server Group ID

Bind **DeBind**

DHCP Relay configuration

DHCP-Relay Enable

Apply

Figure 4-19

Chapter 5 Advance Service

Advanced services include configuration of system time and time server.

5.1 System Time

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

System Management	System Clock Setting
System Information	Current System Time: Fri 2021/09/17 20:15:51 CCT 08:00
Web Timeout	New Date: 2021/1/1 Get From PC
User Management	New Time: 13:55:53 Get From PC
Port Management	Config Refresh
Basic Service	Timezone Setting
Advance Service	Zone Name: CCT
System Time	UTC Offset (Hours): 8
DNS Client	Config Refresh
SNTP	

Figure 5-1

5.2 DNSClient

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

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

Figure 5-2

5.3 SNTP

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

System Management Port Management Basic Service Advanced Service System Time DNS Client SNTP Access List	SNTP Client Client Enable ☒ Client Mode multicast Refresh Apply Valid Server List Any server will be accepted if empty configuration. Server IP Mask Add Del DelAll
--	---

Figure 5-3

5.4Access List

5.4.1Classifier

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

System Management	Named ACL Classifier
Port Management	Active ☐
Basic Service	Name
Advanced Service	Layer 2
System Time	VLAN ☐ Any ☐
DNS Client	Priority ☐ Any ☐ 0
SNTP	Ethernet Type ☐ All ☐ Others (Hex)
Access List	Source
Classifier	MAC Address ☐ Any ☐ MAC : : : : :
Policy	Physical Port ☐ Any ☐
EPON Management	Destination
ONU Management	MAC Address ☐ Any ☐ MAC : : : : :
ONU Profile Management	Physical Port ☐ Any ☐ ☐ CPU
	Layer 3/4
	DSCP ☐ Any ☐
	IP Protocol ☐ All ☐ Establish Only ☐ Others (Dec)
	Source
	IP Address / Address Prefix /
	L4 Port Number ☐ Any ☐
	Destination
	IP Address / Address Prefix /
	L4 Port Number ☐ Any ☐
	Add Modify Cancel Refresh

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

EPON Management

ONU Management

ONU Profile Management

Named ACL Policy

Active ☐

Name

Classifier(s)

Parameters

	General	Bandwidth	Rate Limit
Egress Port	1		Kbps
Priority	0		
DSCP			
TOS	0		

Action

Forwarding

☒ No change

☐ Discard the packet

Priority

☒ No change

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

Diffserv

☒ No change

☐ Set the packet's TOS field

☐ Set the Diffserv Codepoint field in the frame

Outgoing

☐ Send the packet to the egress port

Rate Limit

☐ Enable

AddCancelRefresh

Figure 5-5

Chapter 6 EPON Management

6.1 Port Configuration

- 1.Click Config->EPON Management->Port Configuration
- 2. This page configures the PON port authentication mode and ONU isolation function, etc. By default, the authentication mode is disable, all ONUs can go online, and ONUs under the same PON port and between PON ports are isolated.

System Management

Port Management

Basic Service

Advanced Service

EPON Management

Port Configuration

EPON Port Configuration

Port	Shutdown	Laser	Authentication Mode	P2P
epon0/2/1	false	up	mac_auth	false
epon0/2/2	false	up	mac_auth	false
epon0/2/3	false	up	mac_auth	false
epon0/2/4	false	up	mac_auth	false

ApplyReset

Figure 6-1

6.2 MAC White List

- 1.Click Config->EPON Management->MAC White List
- 2. This page adds and deletes the MAC whitelist. Only ONUs in the whitelist can go online

System Management

Port Management

Basic Service

Advanced Service

EPON Management

Port Configuration

MAC White List

MAC Black List

LOID List

EPON Port Selection

epon0/2/1

White List Add

Port: epon0/2/1

MAC Address:

Add

EPON Port White List

Port	Index	MAC Address	Delete
epon0/2/1	1	00:18:93:ed:68:84	no

DeleteDelete All

Figure 6-2

6.3 MAC Black List

- 1.Click Config->EPON Management->MAC Black List

2. This page configures the blacklist of the PON port, and all ONUs in the blacklist cannot go online.

EPON Port Selection

epon0/2/1 ▼

Black List Add

Port: epon0/2/1 MAC Address:

[Add](#)

EPON Port Black List

Port	Index	MAC Address	Delete
epon0/2/1	1	00:00:00:00:00:04	no ▼

[Delete](#) [Delete All](#)

Figure 6-3

6.4 LOID List

1. Click Config->EPON Management->LOID List

2. This page configures the LOID list, and only ONUs in the LOID list can go online.

EPON Port Selection

epon0/2/4 ▼

Logic ONU Add

Port Name: Logic ONU Identify: Password:

[Add](#)

EPON Port Logic ONU

Port Name	Index	Logic ONU Identify	Password	Delete
epon0/2/4	1	test	test	no ▼

[Delete](#) [Delete All](#)

Figure 6-4

6.5 Hybrid List

1. Click Config->EPON Management->Hybrid List

2. This page configures the hybrid authentication list, and only ONUs in the hybrid list can go online normally.

System Management

Port Management

Basic Service

Advance Service

EPON Management

Port Configuration

MAC White List

MAC Black List

LOID List

Hybrid List

ONU Management

ONU Profile Management

EPON Port Selection

epon0/2/4

Logic ONU Add

Port Name: epon0/2/4

Logic ONU Identify:

Password:

Add

MAC List Add

Port Name: epon0/2/4

MAC Address:

Add

EPON Port Logic ONU

Port Name	Index	Logic ONU Identify	Password	Delete
epon0/2/4	1	test	test	no

Delete

Delete All

EPON Port MAC List

Port Name	Index	MAC Address	Delete
epon0/2/4	1	00:00:00:00:00:04	no

Delete

Delete All

Figure 6-5

Chapter 7 ONU Management

7.1 ONU List

1. Click Config->ONU Management->ONU List
2. This page configures binding and unbinding ONUs, unbinding only operates offline ONUs

ONU	MAC Address	Type	Status	Action
0/2/1:1	00:18:93:ed:63:2c	other type	offline	Config
0/2/1:2	00:18:93:ed:68:84	other type	offline	Config
0/2/1:3	00:18:93:ed:5f:54	other type	online	Config
0/2/1:4	00:0a:5a:23:4b:5d	other type	online	Config
0/2/1:5	00:0a:5a:23:55:f8	other type	offline	Config
0/2/1:6	00:0a:5a:23:54:a4	other type	online	Config

Figure 7-1

7.1.1 Bandwidth Configure

1. Click Config->ONU Management->ONU List->Config->Bandwidth Configure
2. This page configures the upstream and downstream bandwidth of the ONU.

Up Bandwidth	
Up FIR(0~950000 kbps)	0
Up CIR(0~960000 kbps)	0
Up PIR(512~1000000 kbps)	1000000
Up Weight(1~20)	1

Down Bandwidth	
Down PIR(512~1000000 kbps)	1000000
Down BURST(128~16383)256bytes	128

Figure 7-2

7.1.1 IP Address

1. Click Config->ONU Management->ONU List->Config->IP Address
2. This page configures the management IP and management VLAN of the ONU.

ONU[epon0/2/1:1] IP Address Configuration	
IP Address	192.168.1.1
Mask	255.255.255.0
Gate	0.0.0.0
Customer VLAN	1
Service VLAN	0
Priority	5

Figure 7-3

7.1.2 Port

1. Click Config->ONU Management->Port
2. This page configures ONU flow control, ingress rate and egress rate, etc.

ONU[epon0/2/1:1] Port Configure	
ONU Port	1
Enable	Enable
Flow Control	Disable
Auto Negotiation	Enable
Ingress Bandwidth	Disable
Egress Bandwidth	Disable

Figure 7-4

7.1.3 VLAN

1. Click Config->ONU Management->VLAN
2. This page configures the CTC VLAN of the ONU port.

System Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU List

Binding Operation

Bandwidth Control

ONU Profile Management

ONU[epon0/2/1:1] Configure

Back To ONU List

Bandwidth Configure

IP Address

Port

VLAN

Stp

PPPOE

WIFI

CATV

ONU[epon0/2/1:1] VLAN Configure

ONU Port

ALL

VLAN Mode

tag

VLAN

100

Priority

5

Config

ONU VLAN Informations

Port Number	VLAN Mode	VLAN	Priority
1	tag	100	5

Figure 7-5

7.1.4 STP

- 1.Click Config->ONU Management->Stp
2. This page configures ONU's STP and loop detection functions

System Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU List

Binding Operation

Bandwidth Control

ONU Profile Management

ONU[epon0/2/1:1] Configure

Back To ONU List

Bandwidth Configure

IP Address

Port

VLAN

Stp

PPPOE

WIFI

CATV

ONU[epon0/2/1:1] Remote Loop Detect Configure

Remote Loop Detect

Enable

Refresh Config

ONU[epon0/2/1:1] STP Configure

STP

Disable

Forward Time

15

Hello Time

2

Max Age Time

20

Priority

32768

Refresh Config

Figure 7-6

7.1.5 PPPOE

- 1.Click Config->ONU Management->PPPOE
2. This page configures the PPPoE account and password of the ONU. This function needs the support of the ONU.

System Management	ONU[epon0/2/1:1] Configure Back To ONU List Bandwidth Configure IP Address Port VLAN Stp PPPOE WIFI CATV ONU[epon0/2/1:1] PPPOE Configure <table> <tr> <td>Username</td> <td> </td> </tr> <tr> <td>Password</td> <td> </td> </tr> <tr> <td>Online</td> <td>Yes</td> </tr> <tr> <td>Status</td> <td>Failed, general error.</td> </tr> </table> Refresh Config	Username		Password		Online	Yes	Status	Failed, general error.
Username									
Password									
Online		Yes							
Status		Failed, general error.							
Port Management									
Basic Service									
Advanced Service									
EPON Management									
ONU Management									
ONU List									
Binding Operation									

Figure 7-7

7.1.6 WIFI

- 1.Click Config->ONU Management->WIFI
2. This page configures ONU's WIFI, this function needs ONU support.

System Management	ONU[epon0/2/1:1] Configure Back To ONU List Bandwidth Configure IP Address Port VLAN Stp PPPOE WIFI CATV ONU[epon0/2/1:1] WIFI Configure <table> <tr> <td>Security Mode</td> <td>OPEN</td> </tr> <tr> <td>SSID</td> <td> </td> </tr> </table> Refresh Config	Security Mode	OPEN	SSID	
Security Mode		OPEN			
SSID					
Port Management					
Basic Service					
Advanced Service					
EPON Management					
ONU Management					
ONU List					

Figure 7-8

7.1.7 CATV

- 1.Click Config->ONU Management->CATV
2. This page configures the CATV function of the ONU. This function needs the support of the ONU.

System Management	ONU[epon0/2/1:1] Configure Back To ONU List Bandwidth Configure IP Address Port VLAN Stp PPPOE WIFI CATV ONU[epon0/2/1:1] CATV Configuration <table> <tr> <td>Operation</td> <td>Default</td> </tr> </table> Refresh Config	Operation	Default
Operation		Default	
Port Management			
Basic Service			
Advanced Service			
EPON Management			
ONU Management			
ONU List			

Figure 7-9

7.2 Binding Operation

1. Click Config->ONU Management->Binding Operation
2. This page configures binding and unbinding ONUs, unbinding only operates offline ONUs

- System Management
- Port Management
- Basic Service
- Advance Service
- EPON Management
- ONU Management
- Binding Operation
- Bandwidth Control
- Ip Address
- Port Configuration
- VLAN
- Stp

ONU Binding

Port Name: ONU: MAC Address: Type:

[Binding One ONU](#) [Binding All ONU of Port](#)

ONU DeBinding

Port Name: ONU:

Only offline onu can be debinding

[DeBinding One ONU](#) [DeBinding All ONU of Port](#) [DeBinding All ONU of Device](#)

ONU Binding Informations

ONU	MAC Address	Type
0/2/1:1	00:00:00:00:00:04	othe
0/2/2:1	00:00:00:aa:51:99	other type
0/2/2:2	00:00:00:d9:18:21	other type
0/2/2:3	00:05:1d:03:04:05	other type

Figure 7-10

7.3 Bandwidth Control

1. Click Config->ONU Management->Bandwidth Control
2. This page configures the upstream and downstream bandwidth of the ONU.

- System Management
- Port Management
- Basic Service
- Advance Service
- EPON Management
- ONU Management
- Binding Operation
- Bandwidth Control
- Ip Address
- Port Configuration
- VLAN
- Stp

ONU Up Bandwith Configuration

Port Name: ONU: Up FIR(0~950000 kbps): Up CIR(0~960000 kbps): Up PIR(512~1000000 kbps): Up Weight(1~20):

[Config One ONU](#) [Config All ONU of Port](#) [Delete One ONU](#) [Delete All ONU of Port](#)

ONU Down Bandwith Configuration

Port Name: ONU: Down PIR(512~1000000kbps): Down BURST(128~16383)256bytes:

[Config One ONU](#) [Config All ONU of Port](#) [Delete One ONU](#) [Delete All ONU of Port](#)

ONU Bandwith Configuration Informations

ONU	Up FIR(kbps)	Up CIR(kbps)	Up PIR(kbps)	Up Weight	Down PIR(kbps)	Down BURST
0/2/2:1	0	0	1000000	1	1000000	128
0/2/2:2	0	0	1000000	1	1000000	128
0/2/2:3	0	0	1000000	1	1000000	128

Figure 7-11

Chapter 8 ONU Profile Management

ONU profile management is used to configure ONUs in batches, line profile is used to configure ONUs, and rule profile are used to deliver the configuration of line profile to match ONUs. You need to enable profile before config it.

8.1 Line Profile

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

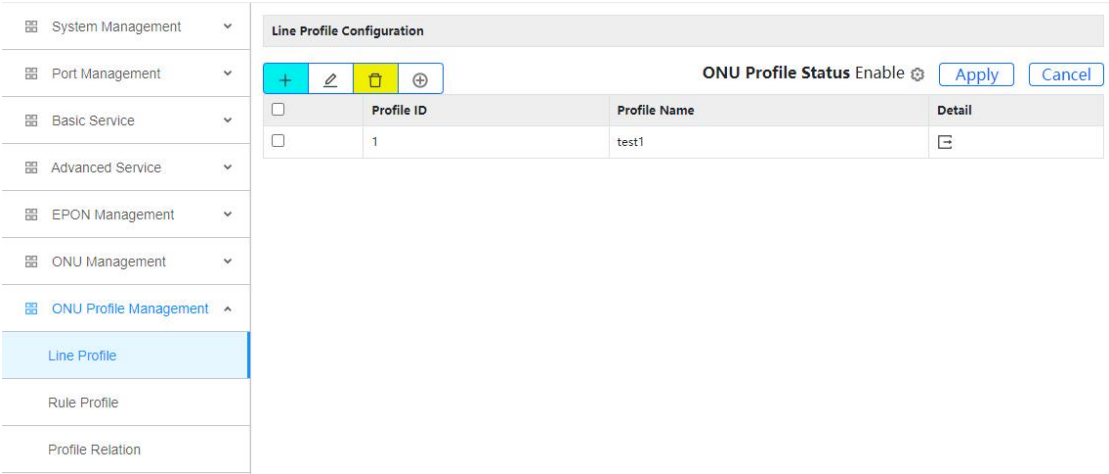


Figure 8-1

8.1.1 DBAConfiguration

- 1.Click Config->ONU Profile Management->Line Profile->Detail->DBA Configuration
- 2.This page configures the ONU upstream and downstream bandwidth of the line profile.

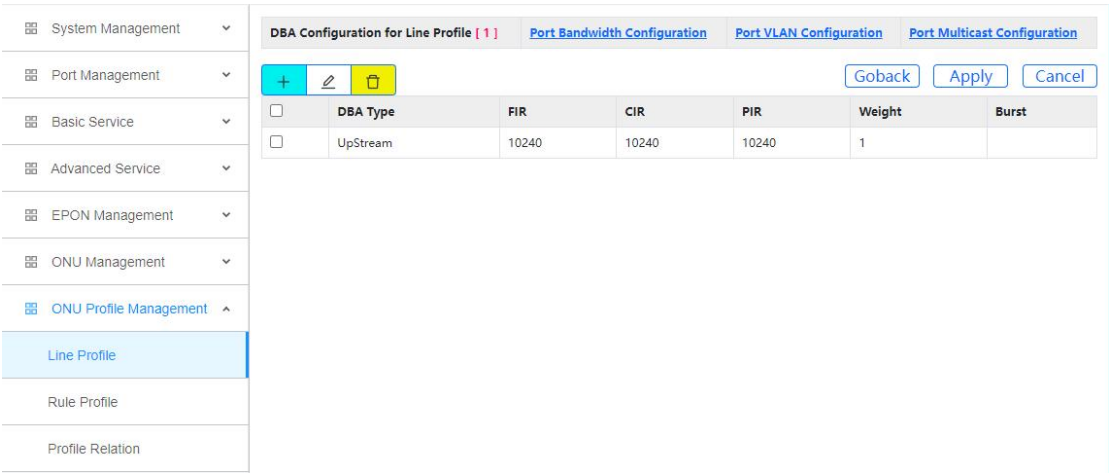


Figure 8-2

8.1.2 Port Bandwidth Configuration

- 1.Click Config->ONU Profile Management->Line Profile->Detail->Port Bandwidth Configuration
- 2.This page configures the ONU port bandwidth of the line profile.

System Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Line Profile

Rule Profile

Profile Relation

DBA Configuration

Port Bandwidth Configuration for Line Profile [1]

Port VLAN Configuration

Port Multicast Configuration

Goback

Apply

Cancel

☐	Port	Ingress Active	Ingress CIR (Kbps)	Ingress CBS (Bytes)	Ingress EBS (Bytes)	Egress Active	Egress CIR (Kbps)	Egress PIR (Bytes)
☐	1	Enable	10420	1523	1522	Enable	10240	10240

Figure 8-3

8.1.3 PortVLANConfiguration

- 1.Click Config->ONU Profile Management->Line Profile->Detail->Port VLAN Configuration
2. This page configures the VLAN of the ONU port in the line profile.

System Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Line Profile

Rule Profile

Profile Relation

DBA Configuration

Port Bandwidth Configuration

Port VLAN Configuration for Line Profile [1]

Port Multicast Configuration

ONU Ethernet Port Amount 0

Goback

Apply

Cancel

☐	Port	VLAN Mode	Default VLAN	VLAN Priority	Base VLAN	Step VLAN	Entry Num	Entry Content
☐	1	Tag	100	0				
☐	2	Translation	200	0			2	Translation VLAN old:201, new:300; old:202, new:400;

Figure 8-4

8.1.4PortMulticastConfiguration

- 1.Click Config->ONU Profile Management->Line Profile->Detail->Port multicast Configuration

2. This page configures the multicast of the ONU port in the line profile.

Port	Max Group	Multicast VLAN	Multicast Control	Tag Mode	Translation VLAN
1	5	100		Tag	

Figure 8-5

8.2 Rule Profile

1. Click Config->ONU Profile Management->Rule Profile

2. This page configures add, modify, and delete rule profile.

Profile ID	Profile Name	ONU Type	Start MAC	End MAC	Slot	PON Port	Line ID List	Active
1	1				2	2	1	Active

Figure 8-6

8.3 Profile Relation

1. Click Config->ONU Profile Management->Profile Relation

2. This page displays the profile binding status.

System Management

Port Management

Basic Service

Advanced Service

EPON Management

ONU Management

ONU Profile Management

Line Profile

Rule Profile

Profile Relation

Profile Relation Configuration

Filter key in ONU slot/pon:onu...

Apply

Cancel

☐	ONU	Unique Active	Active Status	Config Load Status	Previous Match Rule	Current Match Rule	Bind Line List
☐	0/2/1:1	false	noMacth				

Figure 8-7

Chapter 9 Maintain

9.1 Software Upgrading

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

Software Upgrading	Software update	
Configuration Operation	Host Software Version	V1.00.B11
Device Reboot	Version Release Time	Wed Feb 23 14:59:36 +08 2022
ONU Operation	Bootrom Version	V1.0
Logo Replace	Please Select Bootrom File	选择文件 未选择文件 ☐ Restart after update success
	Please Select Host File	选择文件 未选择文件
	Update	

Figure 9-1

9.2 Configuration Operation

Configuration operations include upload, download and save configuration.

9.2.1 Configuration Update

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

Software Upgrading	Config File Update	
Configuration Operation	Select Config File	选择文件 未选择文件
Configuration Update	Save Config File	Save Config File
Configuration Save	Update	
Device Reboot		
ONU Operation		
Logo Replace		

Figure 9-2

9.2.2 Configuration Save

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

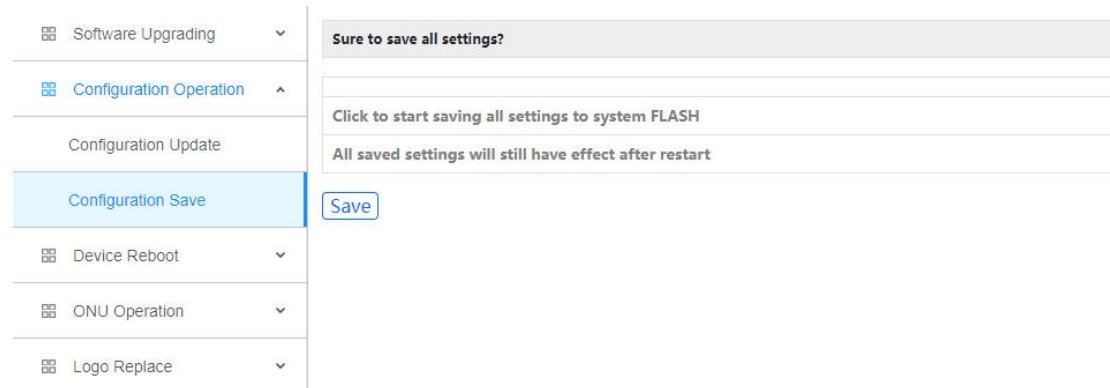


Figure 9-3

9.3 Device Reboot

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



Figure 9-4

9.4 ONU Operation

ONU operations include upgrade the ONU and restart the ONU.

9.4.1 ONU Upgrade

- 1.Click Maintain->ONU Operation->ONU Upgrade
2. This page upgrades a single ONU.

Software Upgrading ^ Configuration Operation v Device Reboot ^ Onu Operation ^ Onu Upgrade Onu Batch Upgrade Onu Auto Upgrade Onu Upgrade Log Onu Reboot Logo Replace v	ONU Selection epon0/2/2 v ONU: 2 v ONU[epon0/2/2:2] Software Upgrade <table border="1"> <tr> <td>Current Software Version</td> <td>V1.0.0B04</td> </tr> <tr> <td>Select ONU Software File</td> <td>选择文件 未选择任何文件</td> </tr> <tr> <td>Upgrade Status</td> <td>unkown status</td> </tr> </table> Upgrade Commit Refresh	Current Software Version	V1.0.0B04	Select ONU Software File	选择文件 未选择任何文件	Upgrade Status	unkown status
Current Software Version	V1.0.0B04						
Select ONU Software File	选择文件 未选择任何文件						
Upgrade Status	unkown status						

Figure 9-5

9.4.2 ONU Batch Upgrade

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

Software Upgrading ^ Configuration Operation v Device Reboot ^ Onu Operation ^ Onu Upgrade Onu Batch Upgrade Onu Auto Upgrade Onu Upgrade Log Onu Reboot Logo Replace v	ONU Software Upload Select ONU Software File 选择文件 未选择任何文件 Software Upload ONU Software Batch Upgrade <table border="1"> <tr> <td>ONU Model</td> <td>F628</td> </tr> <tr> <td>Version Match</td> <td>Match v</td> </tr> <tr> <td>ONU Software Version</td> <td>V1.0.0B04</td> </tr> <tr> <td>ONU Selection</td> <td>All Ports v</td> </tr> </table> Upgrade	ONU Model	F628	Version Match	Match v	ONU Software Version	V1.0.0B04	ONU Selection	All Ports v
ONU Model	F628								
Version Match	Match v								
ONU Software Version	V1.0.0B04								
ONU Selection	All Ports v								

Figure 9-6

9.4.3 ONU Auto Upgrade

- 1.Click Maintain->Onu Operation->ONU Auto Upgrade
2. This page configures ONU automatic upgrade.

Software Upgrading ^	ONU Software Auto Upgrade Add				
Configuration Operation v	Select ONU Software File	选择文件 未选择任何文件			
Device Reboot ^	ONU Model				
Onu Operation ^	Version Rule	Match v			
Onu Upgrade	ONU Software Version				
Onu Batch Upgrade	Add				
Onu Auto Upgrade	ONU Software Auto Upgrade Delete				
Onu Upgrade Log	ONU Model	F333 v			
Onu Reboot	Delete				
Logo Replace v	ONU Software Auto Upgrade Firmware Informations				
	ONU Model	Version Rule	Software Name	Software Version	Software Size(bytes)
	F333	match	V1.1	rom.img	4194304

Figure 9-7

9.4.4 ONU Upgrade Log

- 1.Click Maintain->Onu Operation->ONU Upgrade Log
2. This page displays the upgrade logs of all ONUs.

Software Upgrading ^	ONU Software Upgrade Log
Configuration Operation v	2021/09/18 14:05:42 ONU 0/2/2:1 ctc oam batch upgrade start.
Device Reboot ^	
Onu Operation ^	
Onu Upgrade	
Onu Batch Upgrade	
Onu Auto Upgrade	
Onu Upgrade Log	
Onu Reboot	
Logo Replace v	

Figure 9-8

9.4.5 ONU Reboot

- 1.Click Maintain->Onu Operation->ONU Reboot
2. This page restarts a single ONU or batches of ONUs.

Software Upgrading ^

Configuration Operation v

Device Reboot ^

Onu Operation ^

Onu Upgrade

Onu Batch Upgrade

Onu Auto Upgrade

Onu Upgrade Log

Onu Reboot

Logo Replace v

ONU Reboot

epon0/2/1 v

ONU: 1

Reboot This ONU

Reboot All Onus Of Port

Reboot All Onus Of Device

Online ONU Informations

ONU	MAC Address	Type
0/2/2:1	00:00:00:aa:51:99	other type
0/2/2:2	00:00:00:d9:18:21	other type
0/2/2:3	00:05:1d:03:04:05	other type

Refresh

Figure 9-9

9.5 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.

Software Upgrading ^

Configuration Operation v

Device Reboot ^

Onu Operation v

Logo Replace v

Logo File Replace

Select Logo File

选择文件

1.jpeg

File size less than 300 KB,resolution 200x200

Ater file uploaed or deleted,need to close browser and login again to refresh logo file

File Upload

Delete File Uploaded

Figure 9-10