



**AP8608B/  
AP8616B  
GPON Web  
GUI  
Configuration**

**User Guide**

**Revision B**

## AP8608B/AP8616B GPON GUI Configuration User Guide

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### Revision History

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## Chapter 1 Configuration Preparation

### 1.1 HTTP Configuration

OLT configuration can be conducted not only through command lines and SNMP but also through Web browser. The OLT supports the HTTP configuration, the abnormal packet timeout configuration, and so on.

#### 1.1.1 Main Features

The OLT supports to control the HTTP access. By default the HTTP service is enabled. Only when the HTTP service is enabled can HTTP exchange happen between the OLT and PC and, when the HTTP service is disabled, HTTP exchange stops.

Command	Purpose
Ip http server	Enables the HTTP service

#### 1.1.2 Configuring HTTP Access Mode

Generally, the HTTP port is port 80 by default, and users can access an OLT by entering the IP address directly; however, the OLT also supports users to change the service port and after the service port is changed you have to use the IP address and the changed port to access OLT. For example, if you set the IP address and the service port to 192.168.1.3 and 1234 respectively, the HTTP access address should be changed to http:// 192.168.1.3:1234. You'd better not use other common protocols' ports so that access collision should not happen. Because the ports used by a lot of protocols are hard to remember, you'd better use port IDs following port 1024.

Command	Purpose
Ip http port { portNumber }	Sets the HTTP Port

#### 1.1.3 Configuring HTTP Access Mode

You can access a switch through two access modes: HTTP access and HTTPS access, and you can use the following command to set the access mode to HTTP.

Command	Purpose
Ip http http-access enable	Sets the HTTP Access Mode

### 1.1.4 Configuring the maximum number of VLAN entries displayed on a web page

An OLT supports at most 4094 VLANs and in most cases Web only displays parts of VLANs, that is, those VLANs users want to see. You can use the following command to set the maximum number of VLANs. The default maximum number of VLANs is 100.

Command	Purpose
Ip http web max-vlan	Sets the maximum number of VLAN entries displayed in web page

### 1.1.5 Configuring the Maximum Number of Multicast Entries Displayed on a Web Page

An OLT supports at most 100 multicast entries. You can run the following command to set the maximum number of multicast entries and Web then shows these multicast entries. The default maximum number of multicast entries is 15.

Command	Purpose
Ip http web max igmp-groups	Sets the maximum number of multicast entries displayed in a web page

### 1.1.6 Choosing the prompt

Up to now, the OLT supports two languages, that is, English and Chinese, and the two languages can be switched over through the following command.

Command	Purpose
Ip http language {Chinese   English}	Sets the prompt language of web configuration to (Chinese to English)

## 1.2 HTTPS Configuration

In order to improve the security of communications, the OLT supports not only the HTTP protocol but also the HTTPS protocol. HTTPS is a security-purposed HTTP channel and it is added to the SSL layer under HTTP.

### 1.2.1 Configuring HTTP Access Mode

You can run the following command to set the access mode to HTTPS.

Command	Purpose
---------	---------

Ip http ssl-access enable	Sets the HTTPS access mode
---------------------------	----------------------------

## 1.2.2 Configuring the HTTPS port

As the HTTP port, HTTPS has its default service port, port 443, and you also can run the following command to change its service port. It is recommended to use those ports following port 1024 so as to avoid collision with other protocols' ports.



## Chapter 2 Accessing the OLT

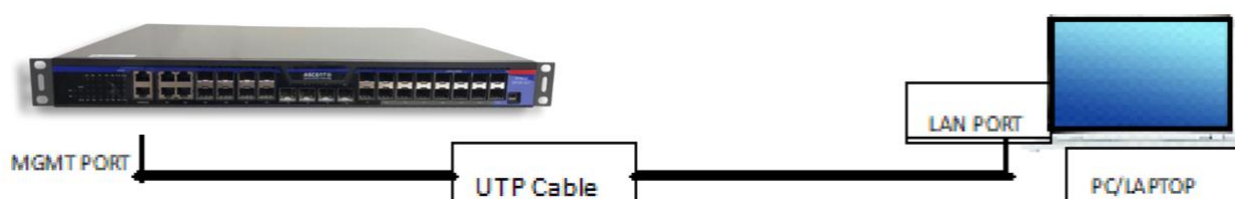
### 2.1 Accessing the OLT through HTTP

When accessing the OLT through Web, please make sure that the applied browser complies with the following requirements:

- HTML of version 4.0
- HTTP of version 1.1
- JavaScriptTM of version 1.5

What's more, please ensure that the main program file, running on an OLT, supports Web access and your computer has already connected the network in which the OLT is located.

#### 2.1.1 Initially Accessing the OLT via MGMT Port



When the OLT is initially used, you can use the Web access without any extra settings:

1. Modify the IP address of the network adapter and subnet mask of your computer to 192.168.0.2 and 255.255.255.0 respectively.
2. Open the Web browser and enter 192.168.0.1 in the address bar. It is noted that 192.168.0.1 is the default management address of the OLT.
3. If the Google Chrome browser is used, you can see the dialog box as below. Both the original username and the password are “admin”, which is capital sensitive

The screenshot shows a web-based login interface for the OLT. It features two input fields: 'Username \*' and 'Password \*', both with asterisks indicating they are required. Below the input fields are two blue buttons: 'Login' and 'Reset'.

4. After successful authentication, the systematic information about the OLT will appear on the browser.

### 2.1.2 Upgrading to the Web-Supported Version

If your OLT is upgraded to the Web-supported version during its operation and the OLT has already stored its configuration files, the Web visit cannot be directly applied on the OLT. Perform the following steps one by one to enable the Web visit on the OLT:

1. Connect the console port of the OLT with the accessory cable, or telnet to the management address of the OLT through the computer.
2. Enter the global configuration mode of the OLT through the command line, the prompt of which is similar to “**Switch\_config#**”.
3. If the management address of the OLT is not configured, please create the VLAN interface and configure the IP address.
4. Enter The “**ip http server**” command in global configuration mode and start the web server (Enabled by Default)
5. Enter the username to set the User name and Password of the OLT. For how to use this command, refer to the “**Security Configuration**” section in the user manual.

After the above-mentioned steps are performed, you can enter the address of the switch in the Web browser to access the OLT.

Enter “**write all**” to store the current configuration to the configuration file.

## 2.2 Accessing an OLT through Secure Links

The data between the WEB browser and the OLT will not be encrypted if you access an OLT through common HTTP. To encrypt these data, you can use the secure links, which are based on the secure sockets layer, to access the OLT.

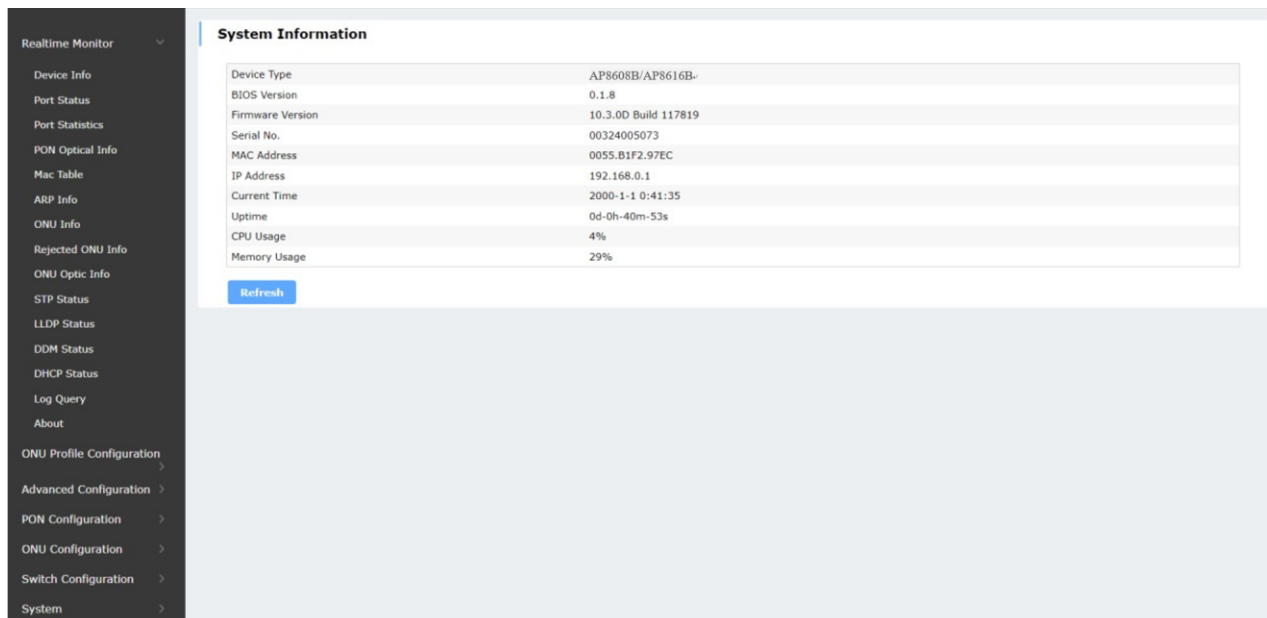
To do this, you should follow the following steps:

1. Connect the console port of the OLT with the accessory cable, or telnet to the management address of the OLT through the computer.
2. Enter the global configuration mode of the OLT through the command line, the DOS prompt of which is similar to “**Switch\_config#**”.
3. If the management address of the OLT is not configured, please create the VLAN interface and configure the IP address.
4. Enter the “**ip http server**” command in global configuration mode and start the Web server (Enabled by Default)
5. Enter the “**username**” to set the user name and password of the OLT for how to use this command, refer to the “**Security Configuration**” section in the user manual.
6. Run “**ip http ssl-access enable**” to enable the secure link access of the OLT.
7. Run “**no ip http http-access enable**” to access the OLT through insecure links.
8. Enter “**write all**” to store the current configuration to the configuration file.
9. Open the WEB browser on the PC that the OLT connects, enter <https://192.168.0.1> on the address bar (192.168.0.1 stands for the management IP address of the OLT) IP address of the OLT) and then

press the Enter key. Then the OLT can be accessed through the secure links.

## 2.3 Accessing an OLT through Secure Links

The whole Web homepage consists of the top control bar, the navigation bar, the configuration area.



### 2.3.1. Top Control Bar



**Save All**

Write the current settings to the configuration file of the device. It is equivalent to the execution of the “**write all**” command. The configuration that is made through Web will not be promptly written to the configuration file after validation. On the left navigation bar, click “**Save All**”, the unsaved configuration will be lost after rebooting.

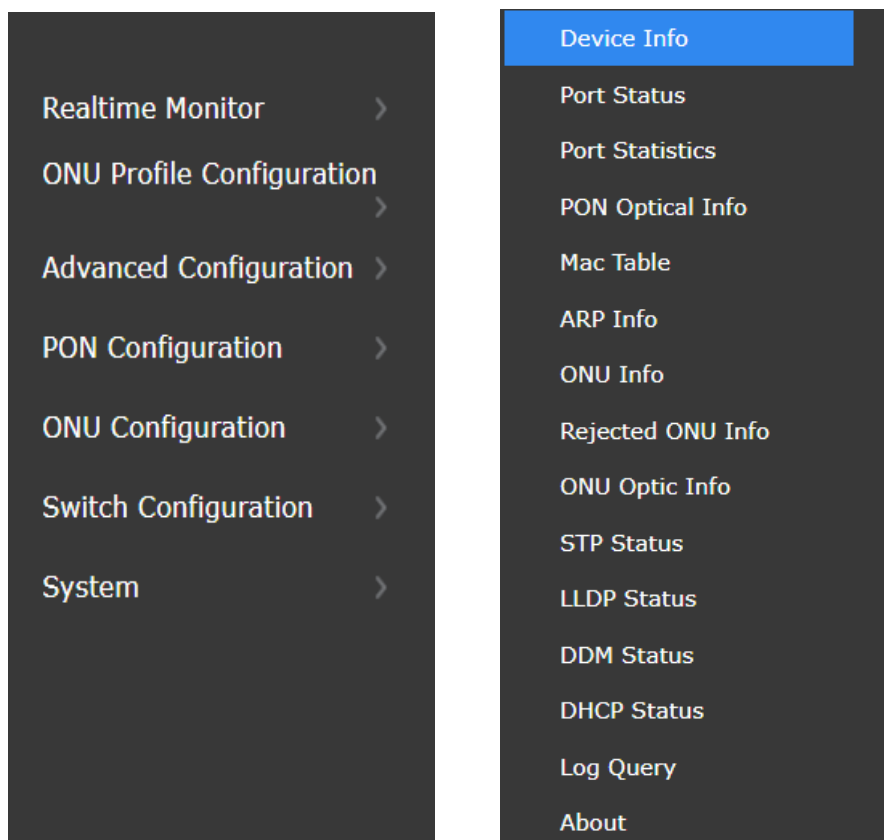


**Logout**

Exit from the current login state. After you click “**logout**”, you have to enter the username and the password again if you want to continue the Web function.

After you configure the device, the result of the previous step will appear on the left side of the top control bar. If error occurs, please check your configuration and retry it later.

### 2.3.2. Navigation Bar



The contents shown. The contents are shown in a form of list and are classified according to types. By default, the list is located at “**Real time Monitor**”. If a certain item need be configured, please click the group name and then the sub item. For example, to browse the Optical power of, you have to click “Interface State” and then “**Interface Flow**”.

Note:

The limited user can only browse the state of the device and cannot modify the configuration of the device. If you log on to the Web with limited user’s permissions, only “**Interface State**” will appear.

### 2.3.3. System Information

#### System Information

Device Type	AP8608B/AP8616B-
BIOS Version	0.1.8
Firmware Version	10.3.0D Build 117819
Serial No.	00324005073
MAC Address	0055.B1F2.97EC
IP Address	192.168.0.1
Current Time	2000-1-1 1:57:59
Uptime	0d-1h-57m-17s
CPU Usage	4%
Memory Usage	29%

Refresh

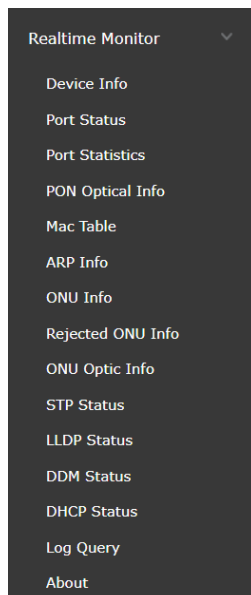
The configuration display area shows the state and configuration of the device. The content of this area can be modified by the clicking of the items.

### 2.3.4. Configuration Area

The configuration area is to show the content that is selected in the navigation area. The configuration area always contains one or more buttons, and their functions are listed in the following table:

<b>Refresh</b>	Refresh the content shown in the current configuration area.
<b>Apply</b>	<p>Apply the modified configuration to the device.</p> <p>The application of the configuration does not mean that the configuration is saved in the configuration file. To save the configuration, you have to click “<b>Save All</b>” on the top control bar.</p>
<b>Reset</b>	Means discarding the modification of the sheet. The content of the sheet will be reset.
<b>New</b>	Creates a list item. For example, you can create a VLAN item or a new user.
<b>Delete</b>	Deletes an item in the list.
<b>Back</b>	Go back to the previous-level configuration page.

## Chapter 3 Realtime Monitor



### 3.1 Device Info

This section is to show the system information. This section contains Device Type, Firmware Version, MAC & IP Address, Uptime, CPU & Memory Usage. To configure or view certain item, click the group name and the sub item.

The screenshot shows the 'System Information' page in the web GUI. On the left is a dark sidebar with a 'Realtime Monitor' menu where 'Device Info' is selected. The main content area has a title 'System Information' and a table of system details. A 'Refresh' button is located below the table.

Device Type	AP8608B/AP8616B
BIOS Version	0.1.8
Firmware Version	10.3.0D Build 117819
Serial No.	00324005073
MAC Address	0055.B1F2.97EC
IP Address	192.168.0.1
Current Time	2000-1-1 2:39:44
Uptime	0d-2h-39m-2s
CPU Usage	4%
Memory Usage	29%

## 3.2 Port Status

Show the Interface State Information containing All the ports (Ethernet & PON), Port Description, Connection state, Interface maximum bandwidth, MAC address of the interface. There is also search functionality by which you can search by a specific port or MAC and check the Port description, state, speed and transmission mode. On the Top left corner there is a **Refresh** Button which refreshes the content shown in the current configuration area.

Interface State Information							
Refresh							
No.1 Page/Total 1 Page First Prev Next Last Go No. <input type="text"/> Page Search: <input type="text"/>				Current 20 Item/Total 20 Item			
Interface	Port Description	Enable	Connection state	MAC Address	Speed	Duplex	Flow control
g0/1		Enable	Down	0055.B1F2.97EC	---	---	Off
g0/2		Enable	Connect	0055.B1F2.97ED	100Mb/s	Half	Off
g0/3		Enable	Down	0055.B1F2.97EE	---	---	Off
g0/4		Enable	Down	0055.B1F2.97EF	---	---	Off
g0/5		Enable	Down	0055.B1F2.97F0	---	---	Off
g0/6		Enable	Down	0055.B1F2.97F1	---	---	Off
g0/7		Enable	Down	0055.B1F2.97F2	---	---	Off
g0/8		Enable	Down	0055.B1F2.97F3	---	---	Off
tg0/1		Enable	Down	0055.B1F2.97F4	---	---	Off
tg0/2		Enable	Down	0055.B1F2.97F5	---	---	Off
tg0/3		Enable	Down	0055.B1F2.97F6	---	---	Off
tg0/4		Enable	Down	0055.B1F2.97F7	---	---	Off
gpon0/1		Enable	Down	0055.B1F2.97F8	---	---	Off
gpon0/2		Enable	Down	0055.B1F2.97F9	---	---	Off
gpon0/3		Enable	Down	0055.B1F2.97FA	---	---	Off
gpon0/4		Enable	Down	0055.B1F2.97FB	---	---	Off
gpon0/5		Enable	Down	0055.B1F2.97FC	---	---	Off
gpon0/6		Enable	Down	0055.B1F2.97FD	---	---	Off
gpon0/7		Enable	Down	0055.B1F2.97FE	---	---	Off
gpon0/8		Enable	Down	0055.B1F2.97FF	---	---	Off

## 3.3 Port Statistics

Along with Port Status, this section shows the Interface Flow Information such as sent & received bytes and packets, discard rate for all Ethernet as well as PON Ports. On the Top corner there are two Button, 1<sup>st</sup> One is called **Clear** which clears all the interface packet counter. And 2<sup>nd</sup> one is **Refresh** Which refreshes the counter.

Interface Flow Information											
Clear Refresh											
No.1 Page/Total 1 Page First Prev Next Last Go No. <input type="text"/> Page Search: <input type="text"/>				Current 20 Item/Total 20 Item							
Interface	Port Description	Enable	Connection state	Send Bytes	Send Packets	Receive Bytes	Receive Packets	Real Time Input Rate	Real Time Output Rate	Discard	Discard Rate
g0/1		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/2		Enable	Connect	177943	458	16278377	68225	0%	0%	1	0%
g0/3		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/4		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/5		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/6		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/7		Enable	Down	0	0	0	0	0%	0%	0	0%
g0/8		Enable	Down	0	0	0	0	0%	0%	0	0%
tg0/1		Enable	Down	0	0	0	0	0%	0%	0	0%
tg0/2		Enable	Down	0	0	0	0	0%	0%	0	0%
tg0/3		Enable	Down	0	0	0	0	0%	0%	0	0%
tg0/4		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/1		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/2		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/3		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/4		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/5		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/6		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/7		Enable	Down	0	0	0	0	0%	0%	0	0%
gpon0/8		Enable	Down	0	0	0	0	0%	0%	0	0%

## 3.4 PON Optical Info

This section Contains the Optical Transceiver Info consists of PON Interface List, Temperature, Voltage and Current, TxPower. It also has search functionality the **Refresh** Button to Refreshes the contents in this section. In the Detail Section, it contains Rx Power of ONU.

Realtime Monitor

Device Info

Port Status

Port Statistics

PON Optical Info

Mac Table

ARP Info

ONU Info

Rejected ONU Info

ONU Optic Info

STP Status

LLDP Status

DDM Status

DHCP Status

Log Query

About

Realtime Monitor

Device Info

Port Status

Port Statistics

PON Optical Info

Mac Table

ARP Info

ONU Info

Rejected ONU Info

ONU Optic Info

STP Status

LLDP Status

DDM Status

DHCP Status

Log Query

About

GPON Optical Transceiver Info

Refresh

No.1 Page/Total 1 Page

First Prev Next Last

Go No.

Page Search:

Current 1 Item/Total 1 Item

Interface Name	Temperature(°C)	Voltage(V)	Current(mA)	TxPower(dBm)	Detail
gpon0/1	29.0	3.2	11.3	1.4	<a href="#">Detail</a>

Help

•The information of ONU Optical power can be queried By Clicking detail.

gpon0/1 ONU Received Power

Refresh

Go Back

No.1 Page/Total 1 Page

First Prev Next Last

Go No.

Page Search:

Current 1 Item/Total 1 Item

Interface	RxPower(dBm)
gpon0/1:1	-13.3

## 3.5 Mac Table

Shows the Mac Entries along with respective VLAN Entry, and Interface info. It has the search functionality. At most default 100 mac address records can be displayed on the web. If it's necessary to query more mac address, you can input CMD 'show mac address-table' on the CMD line. Has the Clear and Refresh button as well at top left corner.

Realtime Monitor

Device Info

Port Status

Port Statistics

PON Optical Info

Mac Table

ARP Info

ONU Info

Rejected ONU Info

ONU Optic Info

STP Status

LLDP Status

DDM Status

DHCP Status

Log Query

About

Realtime Monitor

Device Info

Port Status

Port Statistics

PON Optical Info

Mac Table

ARP Info

ONU Info

Rejected ONU Info

ONU Optic Info

STP Status

LLDP Status

DDM Status

DHCP Status

Log Query

About

MAC Address Table

Clear

Refresh

No.1 Page/Total 1 Page

First Prev Next Last

Go No.

Page Search:

Current 14 Item/Total 14 Item

VLAN	MAC	Item Category	Interface
1	0660.6b46.1feb	Dynamic	g0/2
1	b4b6.864a.0eb9	Dynamic	g0/2
1	bc9b.5e60.10dd	Dynamic	g0/2
1	bc9b.5e60.127c	Dynamic	g0/2
1	c06d.ed11.d932	Dynamic	g0/2
1	4023.4327.71fd	Dynamic	g0/2
1	bc60.6b46.322c	Dynamic	g0/2
1	0055.b163.4ebf	Dynamic	gpon0/1:1-1
1	6c3b.6b08.df23	Dynamic	g0/2
1	c074.ad9c.aac1	Dynamic	g0/2
1	9845.62d6.a16c	Dynamic	g0/2
1	c025.a5d2.6c63	Dynamic	g0/2
1	6c3b.6b31.7575	Dynamic	g0/2
1	0660.6b46.320c	Dynamic	g0/2

Help

#At most default: 100 mac address records can be displayed on the web. If it's necessary to query more mac address, you can input CMD 'show mac address-table' on the CMD line.



## 3.6 ARP Table

This section Contains OLT connected L3 device ARP Information which includes Protocol, Ip address, Hardware address, ARP type and the interface in which the ARP is coming from. This section also got Refresh and Search Functionality for

**ARP Information**

Refresh

No.1 Page/Total 1 Page First Prev Next Last Go No. Page Search:

Protocol	Address	Age	Hardware Addr	Type	Interface
IP	192.168.0.1	-	00:55:b1:f2:97:ec	ARPA	GigaEthernet0/0
IP	192.168.0.2	22	00:e0:99:00:1f:ea	ARPA	g0/0(g0/0)

Current 2 Item/Total 2 Item

## 3.7 ONU Info

This section contains ONU Interface State information. Each PON port is divided into sub sections. PON port wise ONU can be viewed from this section. Contains ONU information, port description, ONU Type, Vendor ID, SN, ONU status, Online & Offline time, Offline reason, also from here, ONU can be Disabled/Enabled, ONU can be configured also. From button tab, ONU interface Basic Info Can be seen, like ONU Image Info, Uni Port, Operational State, product code etc.

Search:

**ONU Interface State Information**

Refresh Active:1 Inactive:0 ONU Search Search

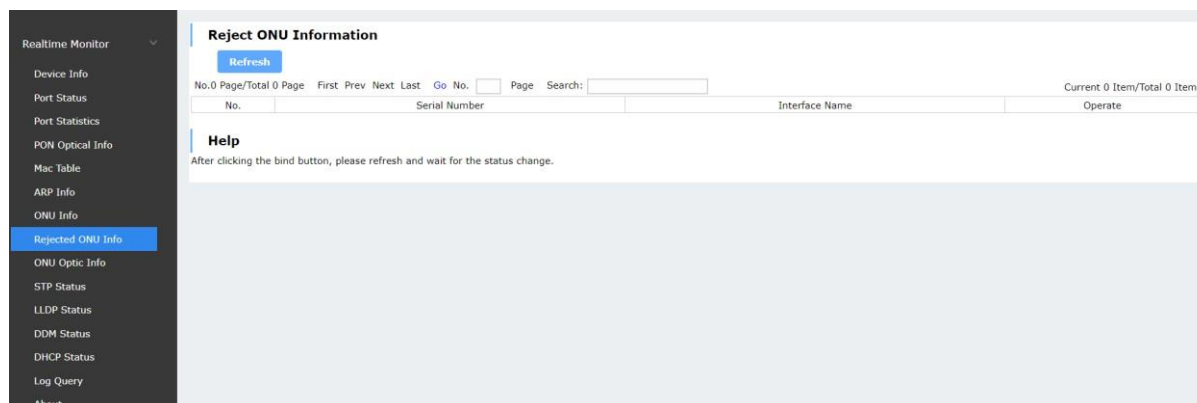
No.1 Page/Total 1 Page First Prev Next Last Go No. Page Search:

Interface Name	Port Desc	ONU Type	Vendor ID	Serial Number	Status	Online Time	Offline Time	Offline Reason	Config	Detail
GPON0/1:1	N/A	HGU	ASCENT	B1634EBA	Active	2000-01-01 04:26:55			Disable Config	Detail

Current 1 Item/Total 1 Item

## 3.8 Rejected ONU Info

Rejected ONU information will be displayed in this section if used any authentication method and ONU is not authenticated.



**Reject ONU Information**

[Refresh](#)

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search:

No.	Serial Number	Interface Name	Operate
-----	---------------	----------------	---------

**Help**  
After clicking the bind button, please refresh and wait for the status change.

## 3.9 ONU Optic Info

ONU optical module Info Can be viewed from this section. This section is also sub-sectioned by PON port. Here, there is a ONU Search option as well as generic search option. ONU Rx & Tx power can be viewed from here.



**ONU Optic Module Info**

[Refresh](#)  Search

No.1 Page/Total 1 Page First Prev Next Last Go No. Page Search:

**PON List**

- gpon0/1
- gpon0/2
- gpon0/3
- gpon0/4
- gpon0/5
- gpon0/6
- gpon0/7
- gpon0/8

Interface	Description Info	RxPower(dBm)	TxPower(dBm)
gpon0/1:1	N/A	-15.0	2.3

## 3.10 STP Status

In this section, there are three sub sections which are, Root STP Configuration, Local STP Configuration and STP port's state. Spanning tree priority, Hello Time, Delay, Port Role, state and cost information can be obtained from here.

Realtime Monitor  
Device Info  
Port Status  
Port Statistics  
PON Optical Info  
Mac Table  
ARP Info  
ONU Info  
Rejected ONU Info  
ONU Optic Info  
**STP Status**  
LLDP Status  
DDM Status  
DHCP Status  
Log Query  
About

### Root STP Configuration

Spanning Tree Priority	0
MAC Address	9845.62D6.A16C
Hello Time	2
Max Age	20
Forward Delay	15

### Local STP Configuration

Protocol Type	RSTP
Spanning Tree Priority	32768
MAC Address	0055.B1F2.97EC
Hello Time	2 (1-10)s
Max Age	20 (6-40)s
Forward Delay	15 (4-30)s
BPDU Terminal	Disable

### STP Port's State

Interface	Role	State	Cost	Priority	Port ID	Type
g0/2	Root	FWD	200000		128.98	Shared

## 3.11 LLDP Status

Show information about directly connected peers.

Realtime Monitor  
Device Info  
Port Status  
Port Statistics  
PON Optical Info  
Mac Table  
ARP Info  
ONU Info  
Rejected ONU Info  
ONU Optic Info  
STP Status  
**LLDP Status**  
DDM Status  
DHCP Status  
Log Query  
About

### LLDP

DeviceId	Local-Intf	Holdtime	Port-ID	Capability
6c3b.e5be.2645	Gig0/2	2787	6c3b.e5be.2645	6c3b.e5be.2645 Gig0/2 2787
c025.a5d2.6c63	Gig0/2	2656	c025.a5d2.6c63	c025.a5d2.6c63 Gig0/2 2656
GRP2601_c0:74:a	Gig0/2	2656	c025.a5d2.6c63	(null)
d:9c:aa:d1	Gig0/2	91	c074.ad9c.aad1B	T
MikroTik	Gig0/2	73	IP-Phone_Vlan-2100R	IP-Phone_Vlan-2100R
MikroTik	Gig0/2	73	ether1	R
GRP2601_c0:74:a	Gig0/2	73	ether1	(null)
d:9c:aa:c1	Gig0/2	74	c074.ad9c.aac1B	T
GRP2601_c0:74:a	Gig0/2	74	c074.ad9c.aac1B	(null)
d:9c:aa:be	Gig0/2	74	c074.ad9c.aabeB	T
GRP2601_c0:74:a	Gig0/2	74	c074.ad9c.aabeB	(null)
d:9c:aa:c4	Gig0/2	65	c074.ad9c.aac4B	T
MikroTik	Gig0/2	73	vlan-2200	R
Switch	Gig0/2	119	Gig0/5	R B
OpenWrt	Gig0/2	91	eth1	R B W

## 3.12 DDM Status

This section shows information about SFP Module's Tx & Rx Power along with Bias current, supply Voltage and SFP temperature.

Realtime Monitor  
Device Info  
Port Status  
Port Statistics  
PON Optical Info  
Mac Table  
ARP Info  
ONU Info  
Rejected ONU Info  
ONU Optic Info  
STP Status  
LLDP Status  
**DDM Status**  
DHCP Status  
Log Query  
About

### DDM

IntName	TxPower	RxPower	BiasCurrent	SupplyVoltage	SFPTemp
g0/1					
g0/2					
g0/3					
g0/4					
g0/5					
g0/6					
g0/7					
g0/8					
tg0/1					
tg0/2					
tg0/3					
tg0/4					
gpon0/1	1.44	-40.00	11.74mA	3.24	35.00
gpon0/2					
gpon0/3					
gpon0/4					
gpon0/5					
gpon0/6					

## 3.13 DHCP Status

OLT's DHCP information will show up here in this section.

## 3.14 Log Query

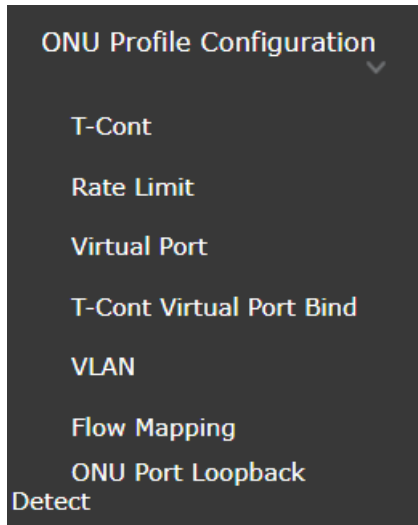
OLT's Detailed LOG Information is shown here along with Log Level, Log Time. This log table can be queried by different parameters.

Log Level	Log Time	Log in detail
informational(6)	JAN 1 5:6:13	Jan 1 05:06:13 User admin logged out from 192.168.0.2 on vty 0
informational(6)	JAN 1 5:1:13	Jan 1 05:01:13 User admin enter privilege mode from vty 0, level = 15
informational(6)	JAN 1 5:1:11	Jan 1 05:01:11 User admin logged in from 192.168.0.2 on vty 0
notifications(5)	JAN 1 5:0:45	Jan 1 05:00:45 %LINEPROTO-5-UPDOWN: Line protocol on Interface GigaEthernet0/0, changed state to up
notifications(5)	JAN 1 5:0:45	Jan 1 05:00:45 %LINK-5-UPDOWN: Line on Interface GigaEthernet0/0, changed state to up
notifications(5)	JAN 1 5:0:43	Jan 1 05:00:43 %LINEPROTO-5-UPDOWN: Line protocol on Interface GigaEthernet0/0, changed state to down
notifications(5)	JAN 1 5:0:43	Jan 1 05:00:43 %LINK-5-UPDOWN: Line on Interface GigaEthernet0/0, changed state to down
notifications(5)	JAN 1 4:26:27	Jan 1 04:26:27 %LINEPROTO-5-UPDOWN: Line protocol on Interface GigaEthernet0/0, changed state to up
notifications(5)	JAN 1 4:26:27	Jan 1 04:26:27 %LINK-5-UPDOWN: Line on Interface GigaEthernet0/0, changed state to up
informational(6)	JAN 1 4:26:23	Jan 1 04:26:23 User admin logged out from 192.168.0.2 on vty 0

## 3.15 About

This is an Ascent's informative section.

## Chapter 4 ONU Profile Configuration



### 4.1 T-Cont

Click In the Profile configuration > T-Cont, and the following page appears.

Profile Name	Tcont Type	Peak Bandwidth	Committed Bandwidth	Assured Bandwidth	Scheduler Policy	Queue Weight	AllocID TYPE	Operation
<input type="checkbox"/> tcont-default	3	1024000	512		sp	(0-100)	sr	Apply Delete
<input type="checkbox"/> tcont-TEST	3	1024000	512		sp	(0-100)	sr	Apply Delete

**Help**  
#Cannot delete the default profile, you need to set eight values for scheduling bandwidth Queue Weights(each value ranges from 0 to 100). A space or ; separated.

On ONU T-Cont Profile List, select a to-be-deleted item, click “Delete” to delete the corresponding ONU profile. The default profile cannot be deleted.

Click “New” to add the new profile on the following page. On the page, you can edit Profile Name or select Tcont type (1-5), peak bandwidth, committed bandwidth and assured bandwidth (one or multiple). After completing the configuration, click “Apply” to save the configuration.

Profile Name	Tcont Type	Peak Bandwidth	Committed Bandwidth	Assured Bandwidth	Scheduler Policy	Queue Weight	AllocID TYPE	Operation
<input type="checkbox"/> tcont-default	3	1024000	512		sp	(0-100)	sr	Apply Delete
<input type="checkbox"/> tcont-TEST	3	1024000	512		sp	(0-100)	sr	Apply Delete

**Help**  
#Cannot delete the default profile, you need to set eight values for scheduling bandwidth Queue Weights(each value ranges from 0 to 100). A space or ; separated.

## 4.2 Rate Limit

In this section, Profile configuration > Rate Limit, following page appears.



**ONU T-Cont Profile List**

[New](#) Search:

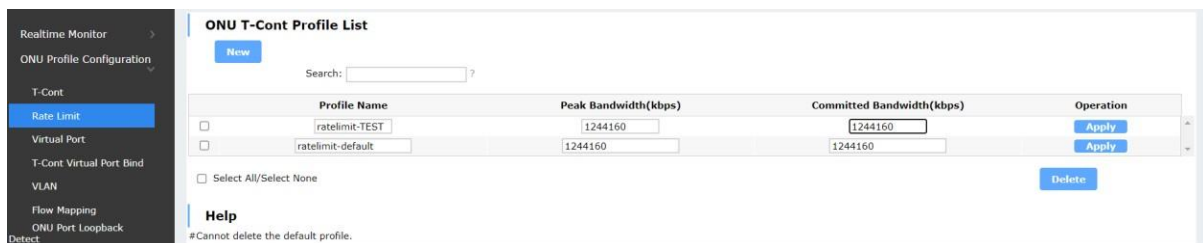
Profile Name	Peak Bandwidth(kbps)	Committed Bandwidth(kbps)	Operation
<input type="checkbox"/> ratelimit-default	1244160	1244160	<a href="#">Apply</a>

☐ Select All/Select None [Delete](#)

**Help**  
# Cannot delete the default profile.

On ONU T-Cont Profile List, select a to-be-deleted item, click **“Delete”** to delete the corresponding ONU profile. The default profile cannot be deleted.

Click **“New”** add the profile on the following page. On the page, you can add Profile Name or set Peak Bandwidth and Committed Bandwidth. After the configuration is finished, click **“Apply”** to save the configuration.



**ONU T-Cont Profile List**

[New](#) Search:

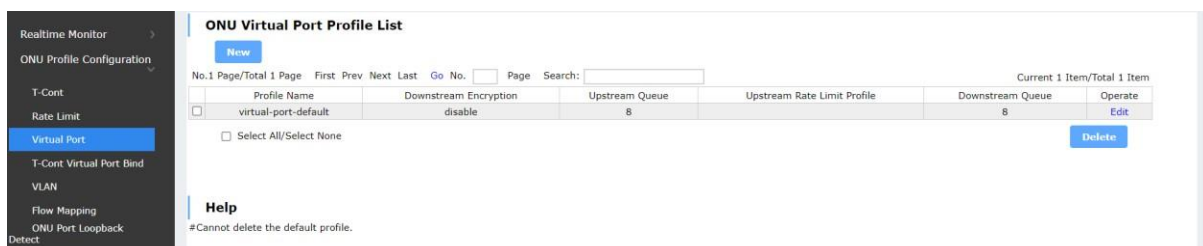
Profile Name	Peak Bandwidth(kbps)	Committed Bandwidth(kbps)	Operation
<input type="checkbox"/> ratelimit-TEST	1244160	1244160	<a href="#">Apply</a>
<input type="checkbox"/> ratelimit-default	1244160	1244160	<a href="#">Apply</a>

☐ Select All/Select None [Delete](#)

**Help**  
# Cannot delete the default profile.

## 4.3 Virtual Port

In this section, Profile configuration > Virtual Port, following page appears.



**ONU Virtual Port Profile List**

[New](#) No.1 Page/Total 1 Page First Prev Next Last Go No.  Page Search:  Current 1 Item/Total 1 Item

Profile Name	Downstream Encryption	Upstream Queue	Upstream Rate Limit Profile	Downstream Queue	Operate
<input type="checkbox"/> virtual-port-default	disable	8		8	<a href="#">Edit</a>

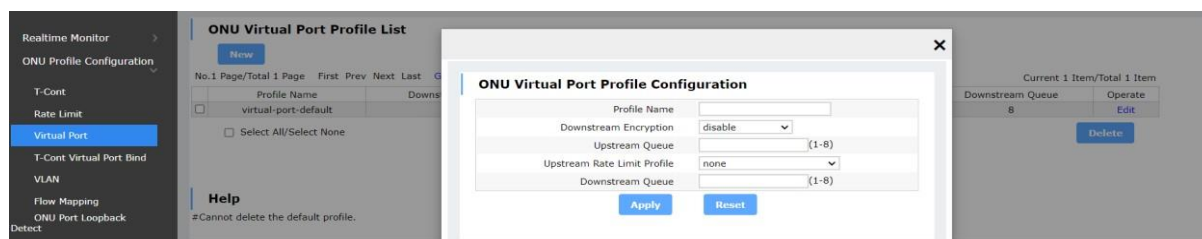
☐ Select All/Select None [Delete](#)

**Help**  
# Cannot delete the default profile.

On ONU Virtual Profile List, select a to-be-deleted item, click **“Delete”** to delete the corresponding ONU profile. The default profile cannot be deleted.

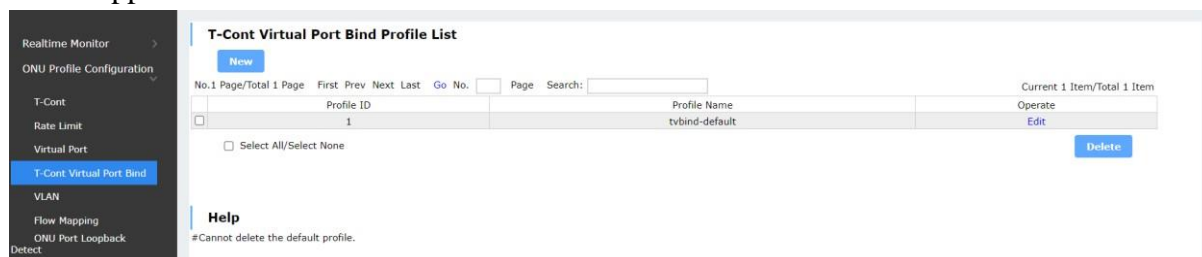
Click **“New”** or **“Edit”** to edit the profile on the following page. On the page, you can add Profile Name, Downstream Encryption, Upstream Queue, Upstream Rate Limit Profile and Downstream Queue. After the configuration is finished, click **“Apply”** to save the configuration.





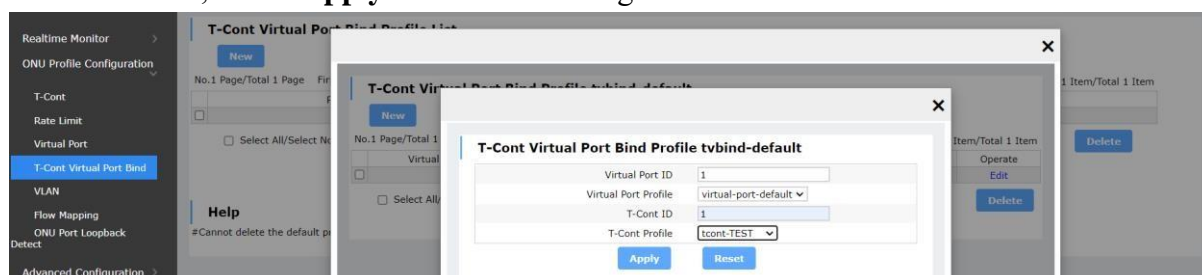
## 4.4 T-Cont Virtual Port Bind

In this section, Profile configuration > T-Cont Virtual Port Bind, following page appears.



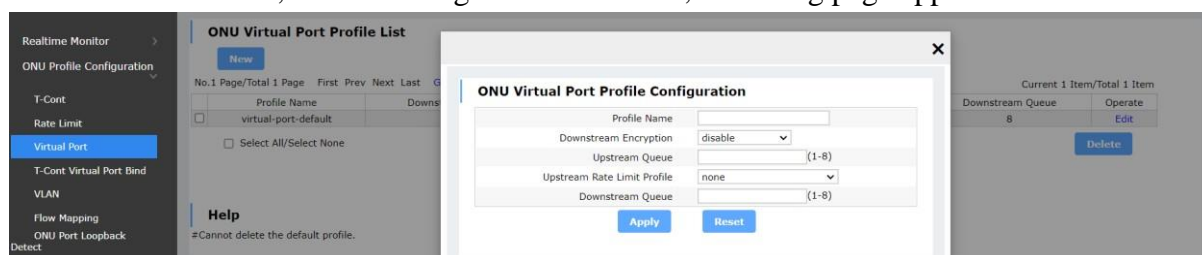
On ONU Virtual Profile List, select a to-be-deleted item, click “**Delete**” to delete the corresponding ONU profile. The default profile cannot be deleted.

Click “**New**” to add the profile on the following page. On the page, you can edit Virtual Port ID, Virtual Port Profile, T-Cont ID and T-Cont Profile. After the configuration is finished, click “**Apply**” to save the configuration.



## 4.5 VLAN

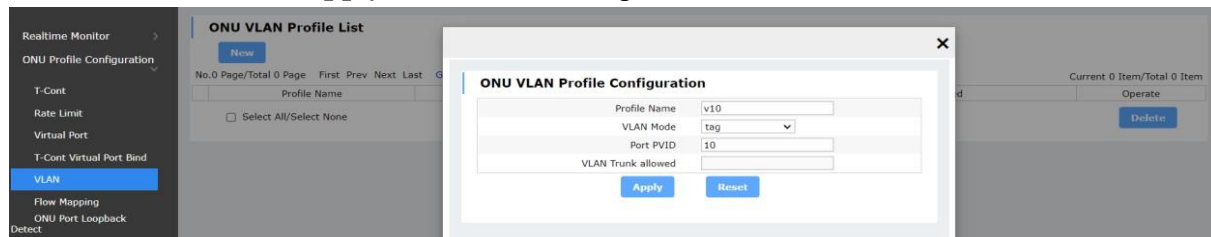
In this section, Profile configuration > VLAN, following page appears.



On ONU Virtual Profile List, select a to-be-deleted item, click “**Delete**” to delete the corresponding ONU profile. The default profile cannot be deleted.

Click “**New**” to add the profile on the following page. On the page, you can edit Virtual Port ID, Virtual Port Profile, T-Cont ID and T-Cont Profile. After the configuration is

finished, click “**Apply**” to save the configuration.





## 4.6 Flow Mapping

In this section, Profile configuration > Flow Mapping, following page appears. There are two default profile, flow-mapping-default is for SFU and flow-mapping-default-hgu is for HGU type ONU.

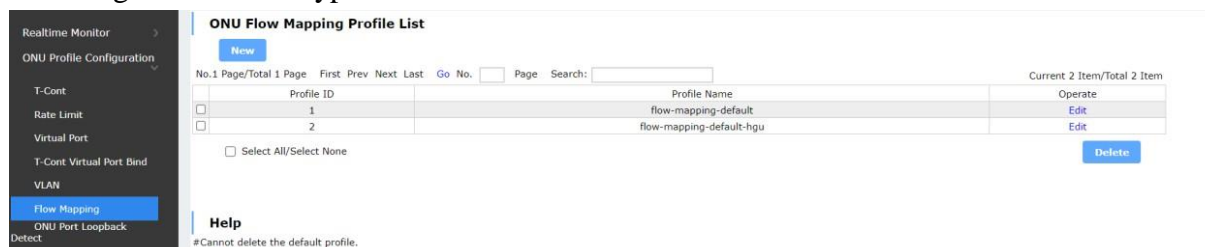
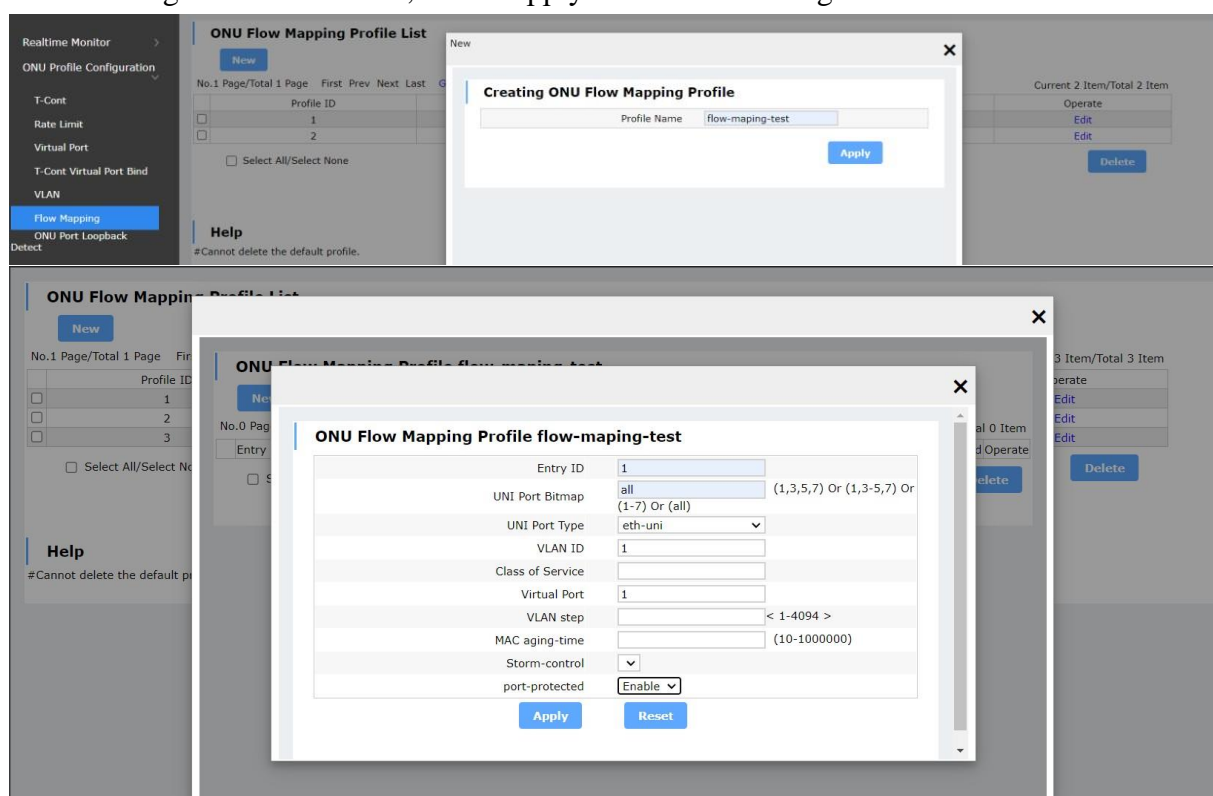


Figure 4-6: ONU Flow Mapping Profile List

On ONU Flow Mapping Profile List, select a to-be-deleted item, click “Delete” to delete the corresponding ONU profile. The default profile cannot be deleted.

**[Note: Do not Change this default Profiles.]**

Click “New” or “Edit” to edit the profile on the following page. On the page, you can edit Entry ID, UNI Port Bitmap, VLAN ID, Class of Service and Virtual Port. After the configuration is finished, click “Apply” to save the configuration.



## 4.7 ONU Port Loopback

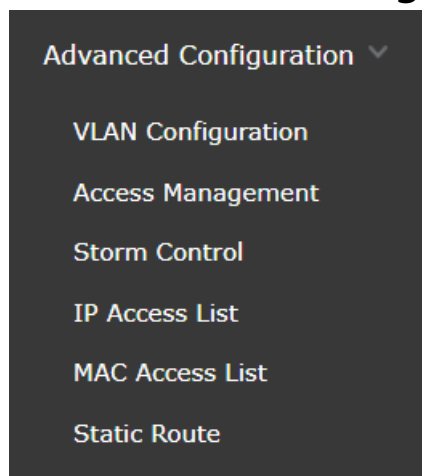
In this section, Profile configuration > ONU Port Loopback Detect, following page appears.

The screenshot shows the 'ONU loopback-detection' configuration page. On the left is a sidebar menu with options: Realtime Monitor, ONU Profile Configuration, T-Cont, Rate Limit, Virtual Port, T-Cont Virtual Port Bind, VLAN, Flow Mapping, and ONU Port Loopback Detect (highlighted). The main area has a 'New' button and a search bar. Below is a table with columns: Profile Name, AdminState, AutoShut, MessageFrequency, RecoveryInterval, and Oper. The table is currently empty. There is a 'Delete' button and a 'Help' section at the bottom.

Need to create ONU Loop Back Profile in the next page clicking New. Need to configure Profile name, message frequency and Recovery Interval and click apply. Click Save all to save the configuration.

The screenshot shows the 'ONU loopback-detection' configuration page after creating a new profile. The table now contains one entry: 'onu-loopback'. The 'AdminState' is set to 'enable', 'AutoShut' is set to 'enable', 'MessageFrequency' is set to '300', and 'RecoveryInterval' is set to '300'. The 'Oper' column has an 'Apply' button. There is also a 'Delete' button and a 'Help' section at the bottom.

## Chapter 5 Advanced Configuration



### 5.1 VLAN Configuration

On the left navigation bar, click “**Advanced Config**” -> “**VLAN Config**” and the following page appears.

There are 2 options here, VLAN ADD & Another is VLAN Delete. Put the VLAN you want to Add or Delete on the respective section and click apply. That VLAN/VLAN’s will be added or Deleted. VLAN Operate: First add; Second delete.

#### Batch VLAN Configuration

VLAN Configured	1
VLAN Add	<input type="text"/>
VLAN Delete	<input type="text"/>

#### Interface VLAN Attribute List

No.1

Page/Total 1 Page

First

Prev

Next

Last

Go

No.

Page

Search:

Current 20 Item/Total 20 Item

Interface	PVID	Mode	VLAN-allowed Range	VLAN-untagged Range	Operate
g0/1	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/2	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/3	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/4	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/5	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/6	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/7	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
g0/8	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
tg0/1	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
tg0/2	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
tg0/3	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
tg0/4	1	dot1q-tunnel-uplink	1-4094	1	<a href="#">Edit</a>
gpon0/1	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/2	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/3	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/4	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/5	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/6	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/7	1	access	1-4094	1	<a href="#">Edit</a>
gpon0/8	1	access	1-4094	1	<a href="#">Edit</a>

On the Interface VLAN Attribute List section, the VLAN items are listed out in ascending sequence. Click “**Pre**” below “**New**” to check the VLAN items before the current page; click “**Next**” to check the VLAN items after the current page. Or you can find out an item by input its VLAN ID or its VLAN Name in the box beside “**Search**”.

In this section, Interface, PVID, Mode, VLAN-allowed range, untagged range are shown. To Edit those attributes, Click Edit and following page will appear.

### Configuring the Attribute of the Interface VLAN

Interface	g0/1
PVID	1 (1-4094)
Mode	dot1q-tunnel-uplink
VLAN-allowed Range	1-4094
VLAN-untagged Range	1

### VLAN-allowed Configure

VLAN-allowed Range	1-4094
--------------------	--------

### VLAN-untagged Configure

VLAN-untagged Range	1
---------------------	---

Apply
Reset

In this section, for any particular interface, Attribute of VLAN Can be configured.

## 5.2 Strom Control

In this section, Every Interface's Broadcast, Multicast and Unknown unicast threshold can be controlled. Range of Threshold information is given.

### Broadcast-storm control configuration

Filters
Port Type: All
Slot Num: All
Name(s):
Help

Interface	Broadcast-storm Threshold	Multicast-storm Threshold	Unknown unicast Threshold
g0/1	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/2	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/3	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/4	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/5	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/6	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/7	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
g0/8	5 (0-14880) 100PPS	5 (0-14880) 100PPS	5 (0-14880) 100PPS
tg0/1	5 (0-148809) 100PPS	5 (0-148809) 100PPS	5 (0-148809) 100PPS
tg0/2	5 (0-148809) 100PPS	5 (0-148809) 100PPS	5 (0-148809) 100PPS
tg0/3	5 (0-148809) 100PPS	5 (0-148809) 100PPS	5 (0-148809) 100PPS
tg0/4	5 (0-148809) 100PPS	5 (0-148809) 100PPS	5 (0-148809) 100PPS
gpon0/1	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/2	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/3	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/4	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/5	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/6	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/7	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS
gpon0/8	5 (0-37202) 100PPS	5 (0-37202) 100PPS	5 (0-37202) 100PPS

Apply
Reset

## 5.3 IP Access List

In this section, following page appears,

**IP ACL Configuration**

[New](#)

No.0 Page/Total 0 Page First Prev Next Last Go No.  Page Search:  Current 0 Item/Total 0 Item

Name of the IP ACL	Attribute of the IP ACL	Operate
<input type="checkbox"/> Select All/Select None		

[Delete](#)

Click “**New**” on the top left of the interface to add an IP ACL List. Click “**Delete**” to delete the selected IP ACL List. If you click “**New**” on the top left of the interface, the following page will appear. Give a name of ACL and Attribute (Standard or Extended) and click Apply

**Creating the IP ACL**

Name of the IP ACL\*

Attribute

[Apply](#) [Reset](#) [Go Back](#)

You can click on edit and modify created ACL. Following page will appear for standard ACL.

**NewStandard IP ACL Regulation**

NewIP Access Control ListTest-ACLItem

Authority	<input type="text" value="permit"/>
Src IP Type	<input type="text" value="any"/>
Src IP*	<input type="text"/>
Src IP Mask	<input type="text"/>
Src IP Range*	<input type="text" value="~"/>
Log	<input type="checkbox"/>

[Apply](#) [Reset](#) [Go Back](#)

And if you choose to select Extended ACL in the dropdown menu, when you click on edit, Following page will appear.

NewIP Access Control ListTest-ACL-2Item

Authority	permit	▼
Mask Type	Mask	▼
Protocol Number*	0	
Src IP Type	any	▼
Src IP*		
Src IP Mask*		
Src Interface VLAN*		
Src IP Range*		-
Src Port		▼
Src Port Range		-
Dst IP Type	any	▼
Dst IP*		
Dst IP Mask*		
Dst Interface VLAN*		
Dst IP Range*		-
Dst Port		▼
Dst Port Range		-
Time-Range		
Tos		
Precedence		
Do not fragment		▼
Fragmented Packet		▼
Offset		▼
Length of the IP Packet		▼
Time-to-live Value		▼
Log	<input type="checkbox"/>	
Location		

Apply Reset Go Back

After Creating ACL, there will be a list of IP ACL Application where you can set Egress & Ingress ACL for ports.

**IP ACL Application**

Filters Port Type: All ▼ Slot Num: All ▼ Name(s): Help

Port	Egress ACL	Ingress ACL
g0/1	Test-ACL ▼	Test-ACL ▼
g0/2	Test-ACL-2 ▼	Test-ACL-2 ▼
g0/3	-- -- ▼	-- -- ▼
g0/4	-- -- ▼	-- -- ▼
g0/5	-- -- ▼	-- -- ▼
g0/6	-- -- ▼	-- -- ▼
g0/7	-- -- ▼	-- -- ▼
g0/8	-- -- ▼	-- -- ▼
tg0/1	-- -- ▼	-- -- ▼
tg0/2	-- -- ▼	-- -- ▼
tg0/3	-- -- ▼	-- -- ▼
tg0/4	-- -- ▼	-- -- ▼
gpon0/1	-- -- ▼	-- -- ▼
gpon0/2	-- -- ▼	-- -- ▼
gpon0/3	-- -- ▼	-- -- ▼
gpon0/4	-- -- ▼	-- -- ▼
gpon0/5	-- -- ▼	-- -- ▼
gpon0/6	-- -- ▼	-- -- ▼
gpon0/7	-- -- ▼	-- -- ▼
gpon0/8	-- -- ▼	-- -- ▼

Apply Reset

## 5.4 MAC Access List

In this section, following page appears

**MAC ACL Configuration**

New

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search: Current 0 Item/Total 0 Item

Name of the MAC Access Control List Operate

☐ Select All/Select None Delete

Click New to add MAC ACL

## Creating MAC ACL

Name of the MAC ACL\*

Select an ACL On the page click “**Edit**” and then click “**New**”, you can configure the “**New MAC ACL Regulation**”.

## New MAC ACL Regulation

NewMAC\_ACLMAC\_ACLItem

Authority	<input type="text" value="permit"/>
Src MAC Type*	<input type="text" value="any"/>
Src MAC*	<input type="text"/>
Src MAC Mask*	<input type="text"/>
Dst MAC Type*	<input type="text" value="any"/>
Dst MAC*	<input type="text"/>
Dst MAC Mask*	<input type="text"/>

Add Created MAC ACL to the port in MAC ACL Application section and click apply.

## MAC ACL Application

Filters Port Type:  Slot Num:  Name(s):  Help

Port	Egress ACL	Ingress ACL
g0/1	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/2	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/3	<input type="text" value="MAC_ACL"/>	<input type="text" value="MAC_ACL"/>
g0/4	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/5	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/6	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/7	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
g0/8	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
tg0/1	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
tg0/2	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
tg0/3	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
tg0/4	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/1	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/2	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/3	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/4	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/5	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/6	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/7	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>
gpon0/8	<input type="text" value="-- --"/>	<input type="text" value="-- --"/>

## 5.5 Access Management

In this section, ACL created on **IP Access List** is implemented for HTTP, TELNET and SSH port to configure source IP of management stations to only allow access to this device.

Realtime Monitor >  
ONU Profile Configuration >  
Advanced Configuration >  
VLAN Configuration  
**Access Management**  
Storm Control  
IP Access List  
MAC Access List  
Static Route

### Access Management

HTTP	<input type="text" value="Test-ACL"/>
TELNET	<input type="text" value="Test-ACL"/>
SSHD	<input type="text"/>

**Help**  
Configure source IP of management stations to only allow access to this device.

## 5.6 Static Route

In this section, following page appears.

**Static Routing Protocol Configuration**

[New](#)

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search: Current 0 Item/Total 0 Item

	Default Route	Dest IP Segment	Dest IP Mask	Interface Type	VLAN Interface	Gateway's IP Address	Forwarding Routing Address	Distance metric	Routing Tag	Specify the route description	Operate
<input type="checkbox"/>											<a href="#">Delete</a>

☐ Select All/Select None

**Help**

◆Global:The next-hop address is in the global routing table.

Click “**New**” to add a static route entry, as shown in the following interface. Tick an item and click “**Edit**” to modify the static routing entry. Tick an item and click “**Delete**” to delete the static routing entry.

**Static Route Configuration**

Configure the static routing protocol

Default Route	<input type="checkbox"/>
Dest IP Segment	<input type="text"/>
Dest IP Mask	<input type="text"/>
Interface Type	<input type="text" value="Interface Null0"/>
Interface VLAN	<input type="text"/>
Gateway's IP Address	<input type="text"/>
Forwarding Routing address	<input type="text"/>
Distance metric	<input type="text"/>
Routing Tag	<input type="text"/>
Specify Route Description	<input type="text"/>

[Apply](#) [Reset](#) [Go Back](#)

**Help**

◆Global:The next-hop address is in the global routing table.



## Chapter 6 PON Configuration

PON Configuration

PON List

### 6.1 PON List

In this section, All the PON ports and basic configurations are shown. In this section, PON Port Description can be set, can enable or disable specific PON port, Add VLAN for PON port, can select VLAN Mode (access, trunk, dot1q-translating-tunnel). Authentication method can be set from here based on Serial number, or/and loid & password. You can do Batch operation (Enable/ Disable PON or Set mode of VLAN) in the bottom by selecting all/none and then click apply.

#### PON List

	PON List	Description	Active	VLAN	Mode	Authentication Method	ONU-bind
<input type="checkbox"/>	GPON0/1		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/2		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/3		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/4		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/5		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/6		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/7		Enable	1	access	Disable	<a href="#">detail</a>
<input type="checkbox"/>	GPON0/8		Enable	1	access	Disable	<a href="#">detail</a>

☐ Select All/Select None

Batch Operation

Active

Enable

Mode

access

Apply

Reset

We can also view the connected ONU to a PON port from ONU-Bind Section. By clicking details, this page appears. Here we can see SN of ONU, ONU ID.

#### Interface ONU Bind Relationship List GPON0/1

New

No.1 Page/Total 1 Page	First Prev Next Last	Go No.	Page	Search:	Current 1 Item/Total 1 Item
<input type="checkbox"/>	Serial Number	Password	ONU ID	Operate	
	B1634EBA		1	<a href="#">Edit</a>	

☐ Select All/Select None

Go Back

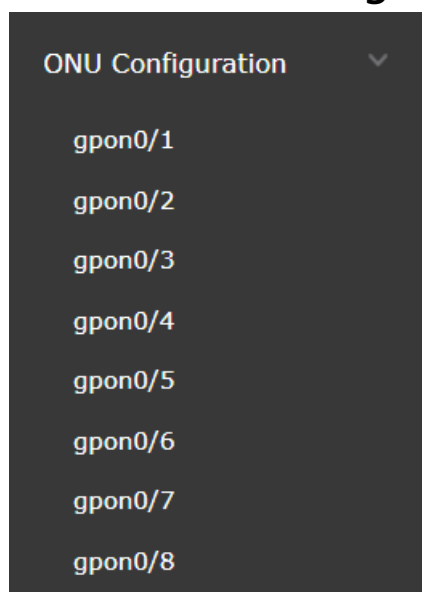
Delete

Depending on the ONU Authentication method, you can set a particular ONU's SN, ONU Password and ONU ID by clicking Edit in this page.

## Interface ONU Bind Relationship Configuration GPON0/1

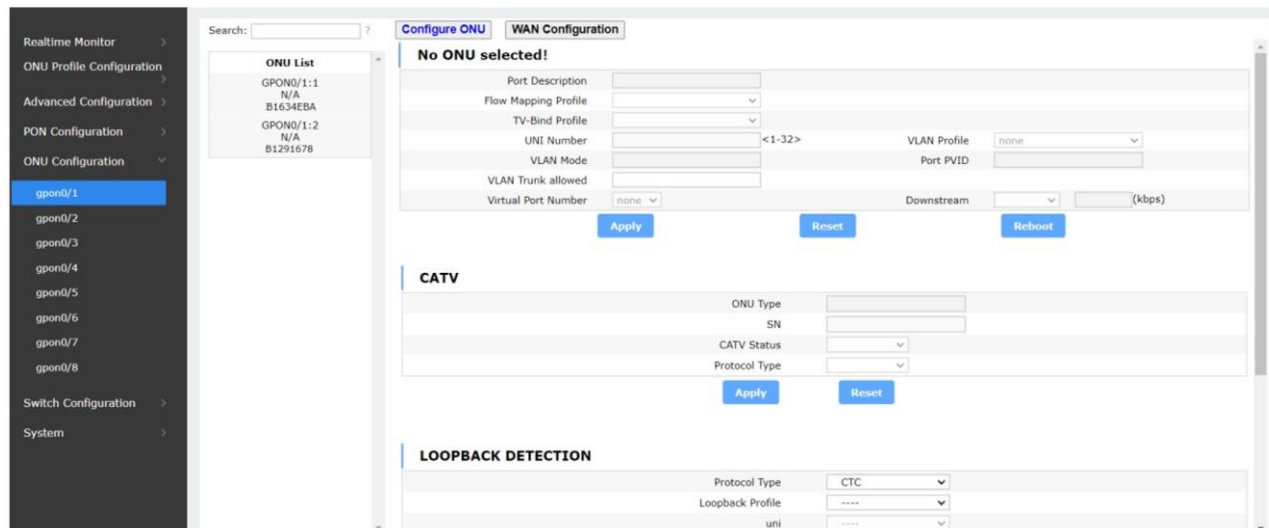
Serial Number	<input type="text" value="B1634EBA"/>
Password	<input type="text" value="1234"/>
ONU ID	<input type="text" value="1"/>
<input type="button" value="Apply"/> <input type="button" value="Reset"/> <input type="button" value="Go Back"/>	

## Chapter 7 ONU Configuration



### 7.1 ONU List

All the connected ONU to a specific PON is listed here. This section shows the PON Ports. And by clicking PON Port, you will see the connected ONU's to that PON Port.



By clicking ONU from ONU list, ONU Can Be configured. In the Figure 7.2, there are 2 ONU Connected. 1<sup>st</sup> one is HGU, 2<sup>nd</sup> one is SFU. Depending on SFU or HGU, ONU needs to be configured in different way.

## 7.1.1. SFU Config

By default there is no configuration needed for Ascent's ONU will connect automatically and pass service. In this section you can Add port Description, VLAN Profile (If you want to pass service using different VLAN).

For Loopback detection, select Loopback detection Type CTC and Loopback detection profile (created in ONU Profile Configuration> ONU Port Loopback Detect)

Search:

**GPON0/1:2** **WAN Configuration**

**GPON0/1:2**

Port Description			
Flow Mapping Profile	flow-mapping-default		
TV-Bind Profile	tvbind-default		
UNI Number	1	<1-32>	VLAN Profile
VLAN Mode			Port PVID
VLAN Trunk allowed			
Virtual Port Number	1	Downstream	Disable (kbps)

**Apply** **Reset** **Reboot**

**CATV**

ONU Type	N/A
SN	B1291678
CATV Status	enable
Protocol Type	ITU

**Apply** **Reset**

**LOOPBACK DETECTION**

Protocol Type	CTC
Loopback Profile	onu-loopback
uni	----

## 7.1.2. HGU Config

This one is HGU ONU.

Search:

**GPON0/1:1** **WAN Configuration**

**GPON0/1:1**

Port Description			
Flow Mapping Profile	flow-mapping-default-hgu		
TV-Bind Profile	tvbind-default		
UNI Number	0	<1-32>	VLAN Profile
VLAN Mode			Port PVID
VLAN Trunk allowed			
Virtual Port Number	1	Downstream	Disable (kbps)

**Apply** **Reset** **Reboot**

For Loopback detection, select Loopback detection Type CTC and Loopback detection profile (created in ONU Profile Configuration> ONU Port Loopback Detect)

**LOOPBACK DETECTION**

Protocol Type	CTC
Loopback Profile	onu-loopback
uni	----

**Apply** **Reset**

For HGU, need to configure WAN also as like as following image (for PPPOE).

Search:  ?

GPON0/1:1 **WAN Configuration**

**ONU List**

- GPON0/1:1
- N/A
- B1634EBA

**WAN Basic** [RESET WAN](#)

WAN	1	Status	enable
NAT Status	enable	Connection Type	PPPoE
TCI VLAN		IPv4/IPv6	IPv4
PPPOE Username	sany	PPPOE Password	sany
Service Type	Internet		
IP Address		IP Mask	
DNS 1		IP Gate	
DNS 2			

**WAN BIND**

☒ LAN1 ☒ LAN2 ☐ LAN3 ☐ LAN4  
☒ SSID1 ☒ SSID2 ☒ SSID3 ☒ SSID4 ☐ SSID5 ☐ SSID6 ☐ SSID7 ☐ SSID8

[Apply](#) [Reset](#)

Need to provide tci vlan, pppoe username & password, enable nat, need to set connection type and service type. Need to bind this wan config with LAN and SSID. Click Apply and wait some moment. The following page will appear.

Search:  ?

GPON0/1:1 **WAN Configuration**

**ONU List**

- GPON0/1:1
- N/A
- B1634EBA

**WAN Basic** [RESET WAN](#)

WAN	1	Status	enable
NAT Status	enable	Connection Type	PPPoE_mix
TCI VLAN	0	IPv4/IPv6	IPv4
PPPOE Username	sany	PPPOE Password	sany
Service Type	Internet		
IP Address	172.16.23.40	IP Mask	255.255.255.255
DNS 1	43.231.22.228	IP Gate	172.16.23.1
DNS 2	43.231.22.229		

**WAN BIND**

☒ LAN1 ☒ LAN2 ☐ LAN3 ☐ LAN4  
☒ SSID1 ☒ SSID2 ☒ SSID3 ☒ SSID4 ☐ SSID5 ☐ SSID6 ☐ SSID7 ☐ SSID8

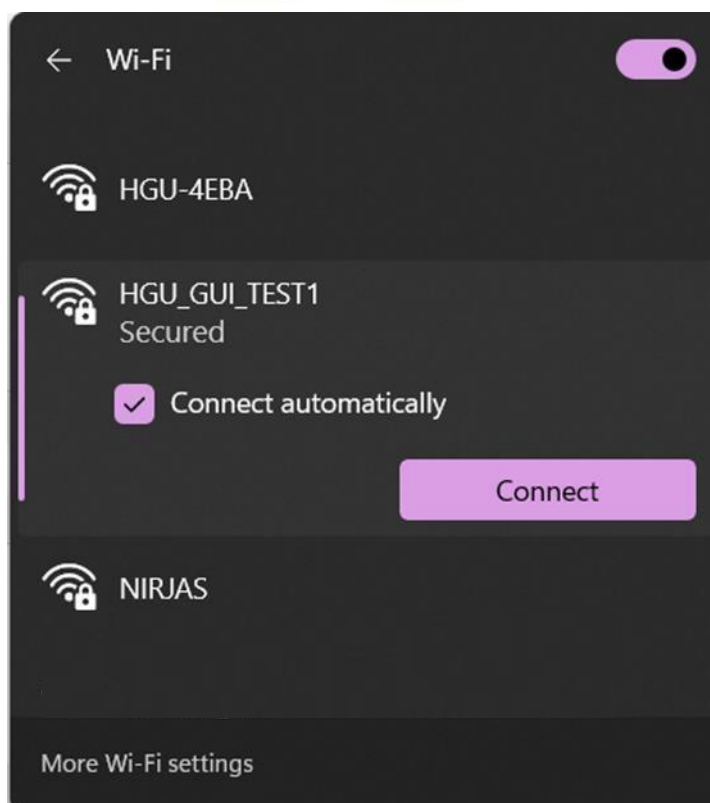
[Apply](#) [Reset](#)

Now Need to set SSID and Password For the ONU, select ONU from ONU list and Set SSID and Password For ONU.

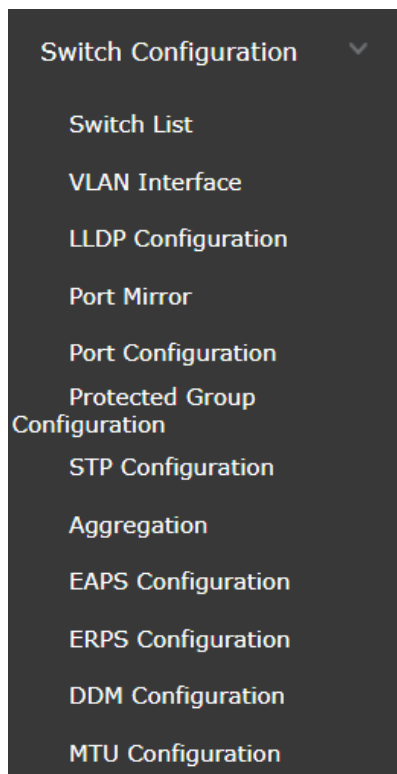
**WIFI**

WIFI Mode	2.4G	WIFI Status	enable
		SSID	HGU_GUI_TEST1
		Password	bdcom123

[Apply](#) [Reset](#)



## Chapter 8 Switch Configuration



In this section, Ethernet (GigaEthernet & TGigaEthernet) ports are shown. In this section, Port description can be added, can enable or disable any port, set VLAN and VLAN mode (access, trunk, dot1q-tunnel-uplink, dot1q-translating-tunnel), limit inbound and outbound bandwidth(x64kbps) rate and also can add to protected group 1 or none. Change any of them and click apply. You can also do batch operation like select all/none and make changes like enabling or disabling all the ports and also can change the VLAN mode.

**Note:** If two or more ports are on protected group 1, those port can't communicate with each other.

### Switch List

Switch Port List	Description	Active	VLAN	Mode	Rate Limit Ingress	Rate Limit Egress	Protected Group	Operation
<input type="checkbox"/> GigaEthernet0/1	Uplink-Router-1	Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	16383 (64kbps)	16383 (64kbps)	1 <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/2		Disable <input type="button" value="v"/>	1	access <input type="button" value="v"/>	(64kbps)	(64kbps)	1 <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/3		Enable <input type="button" value="v"/>	1	trunk <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/4		Enable <input type="button" value="v"/>	1	dot1q-translating-tui <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/5		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/6		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/7		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> GigaEthernet0/8		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> TGigaEthernet0/1		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> TGigaEthernet0/2		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> TGigaEthernet0/3		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>
<input type="checkbox"/> TGigaEthernet0/4		Enable <input type="button" value="v"/>	1	dot1q-tunnel-uplink <input type="button" value="v"/>	(64kbps)	(64kbps)	none <input type="button" value="v"/>	<input type="button" value="Apply"/>

☐ Select All/Select None

Batch Operation

Active

Mode

access

## 8.1 Switch List

In this section, Following Page Appears, this page contains VLAN Interface information of the device such as Name of the VLAN Interface, IP Attribute (Manual/DHCP), IP Address with subnet mask.

**VLAN Interface Configuration**

[New](#)

No.1 Page/Total 1 Page First Prev Next Last Go No.  Page Search:  Current 2 Item/Total 2 Item

	Name of the VLAN Interface	IP Attribute	IP Address	Operate
<input type="checkbox"/>	1	DHCP Auto Configuration	172.16.22.137/24;	<a href="#">Edit</a>
<input type="checkbox"/>	200	Manual Configuration	172.16.0.1/24;	<a href="#">Edit</a>

☐ Select All/Select None [Delete](#)

You can click 'New' or 'Edit' for adding or modifying VLAN Interface. Following page will appear if you click new or edit. For DHCP, VLAN Interface will get IP dynamically from uplink, for Manual configuration, Put VLAN ID in VLAN Interface name, set the IP address and Mask address. If you want you can also add secondary IP address as well. Then, click apply to make those changes.

**VLAN Interface Configuration**

[New](#)

No.1 Page/Total 1 Page First Prev Next Last Go No.  Page Search:  Current 2 Item/Total 2 Item

	Name of the VLAN Interface	IP Attribute	IP Address	Operate
<input type="checkbox"/>	1	DHCP Auto Configuration	172.16.22.137/24;	<a href="#">Edit</a>
<input type="checkbox"/>	200	Manual Configuration	172.16.0.1/24;	<a href="#">Edit</a>

☐ Select All/Select None [Delete](#)

**Help**  
•IP address modification may interrupt your web m...

**VLAN Interface Configuration**

IP Attribute

VLAN Interface Name\*

IP Attribute\*

Primary IP Address

IP Address\*

MASK address\*

Secondary IP Address 1

IP Address\*

MASK address\*

Secondary IP Address 2

IP Address\*

MASK address\*

[Apply](#) [Reset](#)



## 8.2 VLAN Interface

In this section, Following Page Appears, this page contains VLAN Interface information of the device such as Name of the VLAN Interface, IP Attribute (Manual/DHCP), IP Address with subnet mask.

**VLAN Interface Configuration**

[New](#)

No.1 Page/Total 1 Page First Prev Next Last Go No.  Page Search:

No.	Name of the VLAN Interface	IP Attribute	IP Address	Operate
<input type="checkbox"/>	1	DHCP Auto Configuration	172.16.22.137/24;	<a href="#">Edit</a>
<input type="checkbox"/>	200	Manual Configuration	172.16.0.1/24;	<a href="#">Edit</a>

☐ Select All/Select None [Delete](#)

You can click “**New**” or “**Edit**” for adding or modifying VLAN Interface. Following page will appear if you click new or edit. For DHCP, VLAN Interface will get IP dynamically from uplink, for Manual configuration, Put VLAN ID in VLAN Interface name, set the IP address and Mask address. If you want you can also add secondary IP address as well. Then, click apply to make those changes.

**VLAN Interface Configuration**

IP Attribute

VLAN Interface Name\*

IP Attribute\*

Primary IP Address

IP Address\*

MASK address\*

Secondary IP Address 1

IP Address\*

MASK address\*

Secondary IP Address 2

IP Address\*

MASK address\*

[Apply](#) [Reset](#)

## 8.3 LLDP Configuration

Link Layer Discovery Protocol (LLDP) is a layer 2 neighbor discovery protocol that allows devices to advertise device information to their directly connected peers/neighbors. In this section, 2 section appears, 1st one is Basic Configuration of LLDP Protocol, 2nd one is LLDP Port Configuration.

### 8.3.1. Basic Configuration of LLDP

Protocol State: Enable/Disable, **HoldTime** Means the TTL (Time to live) of sending LLDP packets. Its default value is 120s. **Reinit**, Means the delay of continuously sending LLDP packets. Its default value is 2s.

**Basic Configuration of LLDP Protocol**

Protocol State

HoldTime Settings  (0-65535)s

Reinit Settings  (2-5)s

Setting the packet transmission cycle  (5-65534)s

[Apply](#) [Reset](#)

## 8.3.2. LLDP Port Configuration

In this section, Ports can be controlled (enable/disable) whether to receive or send LLDP packet not. Then click apply to save the changes.

### LLDP Port Configuration

Interface	Receive LLDP Packet	Send LLDP Packet
g0/1	Enable ▾	Enable ▾
g0/2	Enable ▾	Enable ▾
g0/3	Enable ▾	Enable ▾
g0/4	Enable ▾	Enable ▾
g0/5	Enable ▾	Enable ▾
g0/6	Enable ▾	Enable ▾
g0/7	Enable ▾	Enable ▾
g0/8	Enable ▾	Enable ▾
tg0/1	Enable ▾	Enable ▾
tg0/2	Enable ▾	Enable ▾
tg0/3	Enable ▾	Enable ▾
tg0/4	Enable ▾	Enable ▾

Apply

Reset

## 8.4 Port Mirror

In this section, any port can be mirrored to another port. At the top, have to select the destination port, and then have to select a source port checkbox that need to mirror through that destination port. Mirror mode can be Rx, Tx, or Rx & Tx.

**Rx** Rx means that the received packet will be mirrored to the destination port.

**Tx** Tx means that the forwarded packet will be mirrored to the destination port.

**Rx**

**& Tx** The received port and the forwarded packet will be mirrored simultaneously.

### Port Mirror Configuration

Destination Port: g0/4 ▾

Filters Port Type: All ▾ Slot Num: All ▾ Name(s):  Help

Source Port	Mirror Mode
<input type="checkbox"/> g0/1	RX ▾
<input type="checkbox"/> g0/2	RX ▾
<input type="checkbox"/> g0/3	RX ▾
<input type="checkbox"/> g0/4	RX ▾
<input type="checkbox"/> g0/5	RX ▾
<input type="checkbox"/> g0/6	RX ▾
<input type="checkbox"/> g0/7	RX ▾
<input type="checkbox"/> g0/8	RX ▾
<input type="checkbox"/> tg0/1	RX ▾
<input type="checkbox"/> tg0/2	RX ▾
<input type="checkbox"/> tg0/3	RX ▾
<input type="checkbox"/> tg0/4	RX ▾
<input checked="" type="checkbox"/> gpon0/1	RX ▾
<input type="checkbox"/> gpon0/2	RX ▾
<input type="checkbox"/> gpon0/3	RX ▾
<input type="checkbox"/> gpon0/4	RX ▾
<input type="checkbox"/> gpon0/5	RX ▾
<input type="checkbox"/> gpon0/6	RX ▾
<input type="checkbox"/> gpon0/7	RX ▾
<input type="checkbox"/> gpon0/8	RX ▾

Apply

Reset

## 8.5 Port Configuration

In this section, Both Switching Ports and PON ports information is shown. To change any of this, 1<sup>st</sup> need to turn off **Fiber Auto** feature, otherwise can't change or modify any of these. All these port's Speed (10G to 1G, 1G to 100MB to 10MB) Transmission mode (Full/Auto), flow control can be configured.

**Port Configuration**

Filters

Port Type: All

Slot Num: 0

Name(s):

Help

Interface	Status	Speed	Duplex	Flow Control	Medium	Fiber Auto
g0/1	<span>Up</span>	<span>Auto</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
g0/2	<span>Up</span>	<span>Auto</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/3	<span>Up</span>	<span>Auto</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/4	<span>Up</span>	<span>Auto</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/5	<span>Up</span>	<span>1000M</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/6	<span>Up</span>	<span>1000M</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/7	<span>Up</span>	<span>1000M</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
g0/8	<span>Up</span>	<span>1000M</span>	<span>Auto</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
tg0/1	<span>Up</span>	<span>10G</span>	<span>Full</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
tg0/2	<span>Up</span>	<span>10G</span>	<span>Full</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
tg0/3	<span>Up</span>	<span>10G</span>	<span>Full</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
tg0/4	<span>Up</span>	<span>10G</span>	<span>Full</span>	<span>Off</span>	<span>Auto</span>	<span>On</span>
gpon0/1	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/2	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/3	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/4	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/5	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/6	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/7	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>
gpon0/8	<span>Up</span>	<span>25G</span>	<span></span>	<span>Off</span>	<span>Auto</span>	<span>Off</span>

Apply

Reset

## 8.6 Protected Group Configuration

Protected Group means, If two or more ports are on similar protected group, those port can't communicate with each other. In protected group configuration section, Protected group 1 is created by default. You can create protected group 2-30 as per your requirements. By default switching ports are not in protected group so they can communicate between each other.

**Protected Group Configuration**

Add Protected Group:  (2-30)

New

Created Protected Group: 1

Delete

Intfname	Protected Group Id	Operation
g0/1	<span>none</span>	<span>Apply</span>
g0/2	<span>none</span>	<span>Apply</span>
g0/3	<span>none</span>	<span>Apply</span>
g0/4	<span>none</span>	<span>Apply</span>
g0/5	<span>none</span>	<span>Apply</span>
g0/6	<span>none</span>	<span>Apply</span>
g0/7	<span>none</span>	<span>Apply</span>
g0/8	<span>none</span>	<span>Apply</span>
tg0/1	<span>none</span>	<span>Apply</span>
tg0/2	<span>none</span>	<span>Apply</span>
tg0/3	<span>none</span>	<span>Apply</span>
tg0/4	<span>none</span>	<span>Apply</span>

On the other hand Each PON port is under protected group 1, so they can't inter-communicate. To make inter-communication between two PON Port, Just need to make protected group 1 to none between those two or multiple PON port and click apply to make changes.

gpon0/1	1	Apply
gpon0/2	1	Apply
gpon0/3	1	Apply
gpon0/4	1	Apply
gpon0/5	1	Apply
gpon0/6	1	Apply
gpon0/7	1	Apply
gpon0/8	1	Apply

## 8.7 STP Configuration

In this section, STP information and configurations are shown. There are three parts in this page, Among the three parts, Root STP Config and STP Port's State are read only. In local STP configuration, select the Protocol Type in the dropdown box on the right. It supported mode includes SSTP, RSTP, PVST, MSTP and disable STP. The priority and time parameter be configured vary with the mode.

**Root STP Configuration**

Spanning Tree Priority	0
MAC Address	9845.62D6.A16C
Hello Time	2
Max Age	20
Forward Delay	15

**Local STP Configuration**

Protocol Type	RSTP
Spanning Tree Priority	32768
MAC Address	0055.B1F2.97EC
Hello Time	2 (1-10)s
Max Age	20 (6-40)s
Forward Delay	15 (4-30)s
BPDU Terminal	Disable

Apply
Reset

**STP Port's State**

No.1 Page/Total 1 Page First Prev Next Last Go No. Page Search: Current 1 Item/Total 1 Item

Interface	Role	State	Cost	Priority.Port ID	Type
g0/2	Root	FWD	200000	128.98	Shared

## 8.8 Aggregation

This page appears by clicking on Aggregation Tab.

**Port Aggregation Configuration**

New

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search: Current 0 Item/Total 0 Item

Aggregation Group	Mode	Configure port members	Valid port members	Speed	State	Operate
<input type="checkbox"/> Select All/Select None						

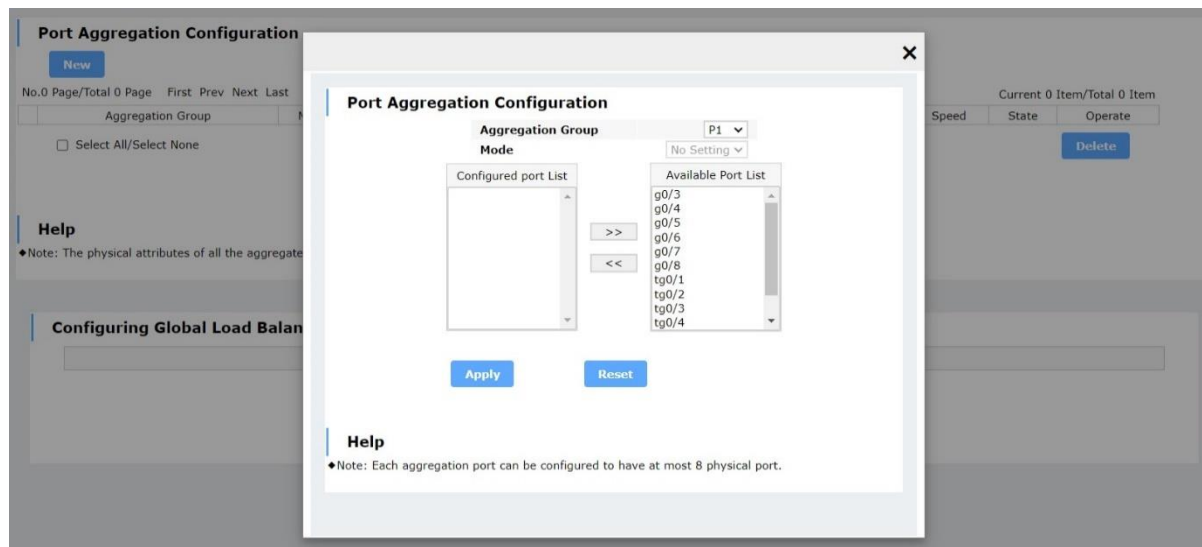
Delete

**Help**

◆Note: The physical attributes of all the aggregated ports shall be the same, including Speed, Duplex mode and Vlan

### 8.8.1. Port Aggregation Configuration

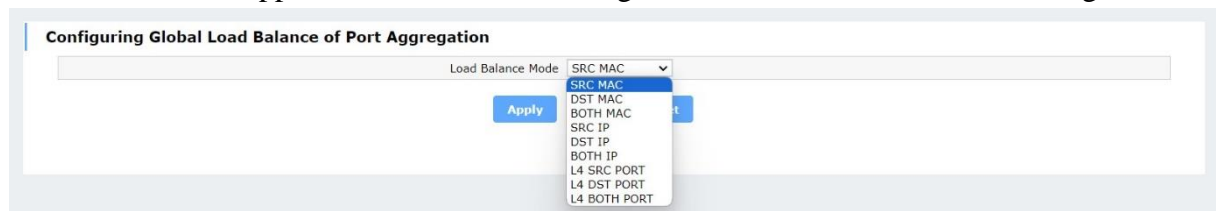
Click “**New**” on the page and the following page pops up. On the following page, you can configure at most 32 aggregation groups. Each group can configure at most 8 aggregation ports. Select the mode of the aggregation port in the dropdown box behind Mode. Tick an item on the page of “**Port Aggregation Config**” and Click “**Delete**” to delete the aggregation group.



When creating a new aggregation group, it is optional; when modifying the aggregation group, it is not optional. When the aggregation port exists the member port, you can select the aggregation mode: Static, LACP Active and LACP Passive. You can delete and add the aggregation member port by “>>” and “<<”.

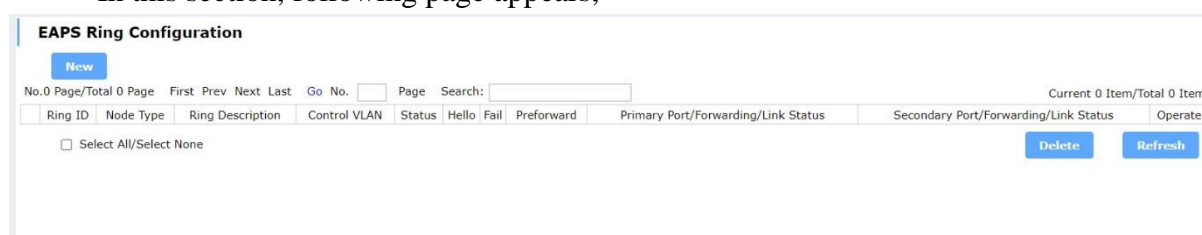
## 8.8.2. Global Load Balance of Port Aggregation

Our OLT Support Global Load Balancing on different modes shown in the fig: 8-12.



## 8.9 EAPS Configuration

In this section, following page appears,



## 8.9.1. EAPS Configuration

By clicking New, in this section, ERPS can be configured.

**EAPS Configuration**

Ring ID	0	
Node Type	Master Node	
Ring Description		
Control VLAN		
Hello Time	1	(1-10)s
Fail Time	3	(3-30)s
Preforward Time	3	(3-30)s
Primary Port	None	
Secondary Port	None	

Apply
Reset
Go Back

**Help**

◆Ring Description: You cannot input 'Enter'.

## 8.10 ERPS Configuration

In this section, following Page appears,

**ERPS Configuration**

New

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search: Current 0 Item/Total 0 Item

Ring ID	RPL node's priority/address	Ring Status	Port1/Forwarding/Link status	Port2/Forwarding/Link status	Operate
<input type="checkbox"/> Select All/Select None					

Delete
Refresh

**Help**

### 8.10.1. EAPS Configuration

By Clicking New, in this section, ERPS Can Be configured.

**ERPS Configuration**

Ring ID	0	
Wait-to-restore Time	20	(10-720)s
Guard Time	500	(10-2000)ms
Send Time	5	(1-10)s
Port1	None	
Port2	None	

Apply
Reset
Go Back

**Help**

◆Guard Time:The unit is millisecond.You must input multiples of 10.

## 8.11 DDM Configuration

DDM Stands for ‘Digital Diagnostics Monitoring’. It is used for checking Optical Tx & Rx, Voltage, Bias Current, temperature in realtime. In this section, we either can enable or disable DDM in OLT and click apply.

**DDM Configuration**

DDM Enable ▾

Disable

Enable

Apply

Reset

**Help**

## 8.12 MTU Configuration

MTU stands for Maximum Transmission Unit. It's a measurement (typically in bytes) of the largest data packet a device can accept via an internet connection. Default MTU Value is 1500.

You can set the size of MTU within a designated range.

**MTU Configuration**

MTU  (1500-9212)

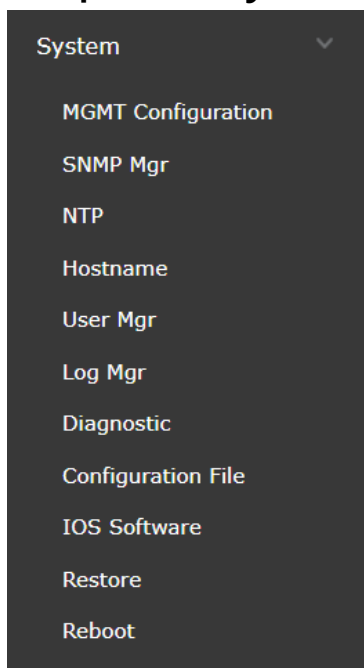
Apply

Reset

**Help**

◆Configure the size of the system MTU, whose default value is 1500

## Chapter 9 System



### 9.1 MGMT Configuration

In this section, Management Port IP address and subnet mask can be configured.

**MGMT Configuration**

IP*	192.168.0.1
Mask*	255.255.255.0

Apply Reset

Help

### 9.2 SNMP Mgr

In this section, SNMP Community Management and Host Management information is shown.

**SNMP Community Management**

New

No.1 Page/Total 1 Page First Prev Next Last Go No. Page Search: Current 1 Item/Total 1 Item

	SNMP Community Name	SNMP Community Encryption	SNMP Community Attribute	Operate
<input type="checkbox"/>	nmscloud	False	RW	Edit

☐ Select All/Select None Delete

**SNMP Host Management**

New

No.0 Page/Total 0 Page First Prev Next Last Go No. Page Search: Current 0 Item/Total 0 Item

	SNMP Host IP	SNMP Community String	SNMP Message Type	SNMP Community Version	Operate
--	--------------	-----------------------	-------------------	------------------------	---------

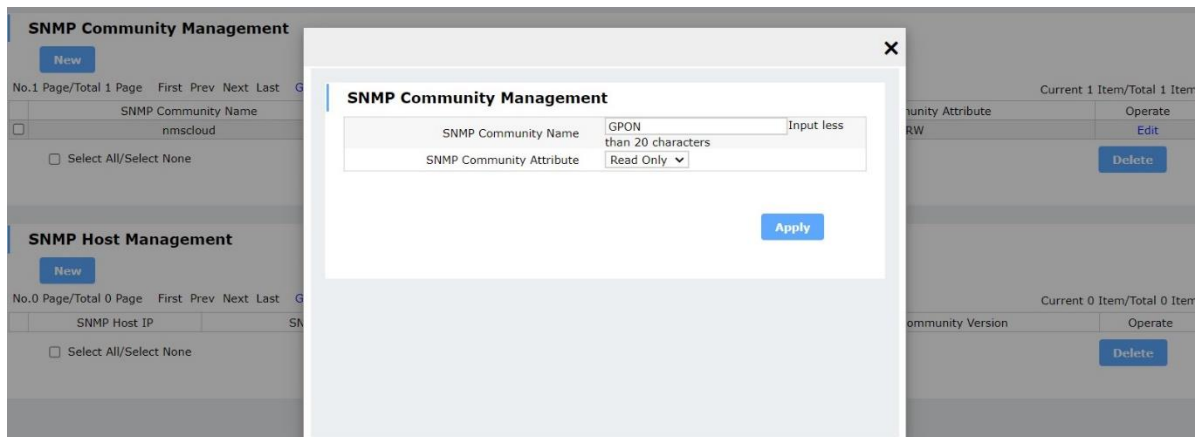
☐ Select All/Select None Delete



## 9.2.1. SNMP Community Management

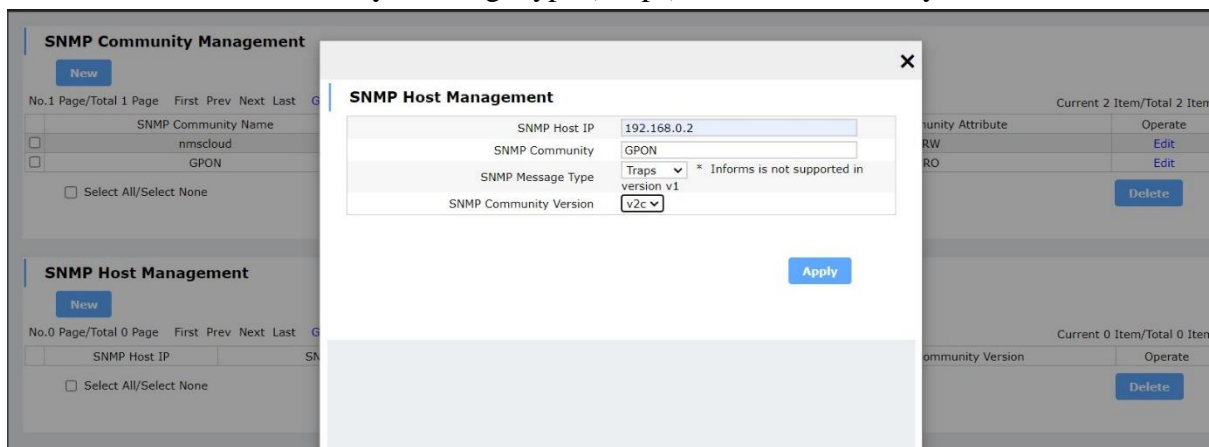
Click “**New**” or “**Edit**” to Add/Modify SNMP Community Management name and community attribute.

Attribute can be **Read Only** or **Read Write**.



## 9.2.2. SNMP Host Management

Click “**New**” or “**Edit**” to Add/Modify SNMP Host Management. Add SNMP Host IP, SNMP Community, Message type (Traps), SNMP community version v2c.



## 9.3 NTP

In this section, you set time Manually or automatically. For Automatic time synchronization, you need to go to Diagnostic, and check if the OLT is reachable to Internet or not. If internet is reachable, set the following IP address and select time zone. Wait a while and Refresh. Time and Date will synchronize with internet.

## 9.4 Diagnostic

You can run PING test in this section. Can define source & destination IP also the packet size.

## 9.5 Hostname

Can Change the Hostname of the OLT From Here.

## 9.6 User Mgr

Here, User can be created. Click on New, Set User Name and Password for new user. You can Create two type of user, Administrator user who can do any configuration of OLT and Read Only User, Who is a limited user with some limited feature he can view and perform.

**User Management**

[New](#)

Search:

	User name	Password	User permission	Operation
<input type="checkbox"/>	TEST	*****	Administrator	<a href="#">Apply</a>
<input type="checkbox"/>	admin	*****	Administrator	<a href="#">Apply</a>

☐ Select All/Select None [Delete](#)

**Help** ♦ Note: When only one Admin user exists, You cannot delete the current administrator user. Otherwise, you cannot log on to the switch and configure it.

♦ Users can be divided into the Admin user and the limited user according to the permission. The Admin user can use all functions of the switch, including browsing, configuring and remote login, while the limited user only has the permission to browse the switch's running state through the WEB page.

♦ Click the 'New' button to create a new user.

## 9.7 Log Mgr

In this section, Log Management is shown.

**Log Management**

System logs will be sent to the server when it is enabled

Enable the log server	<input type="checkbox"/>
Address of the log server	<input type="text"/>
Enable the log buffer	<input checked="" type="checkbox"/>
Size of the log buffer	<input type="text"/> (Bytes)

[Apply](#)

**Enable log server:** Enables/Disables the output of the device's logs to the log server (If the logs of the device are disabled, no information will be displayed on the log page).

**Address of the system log server:** Enter the address of the log server. The logs will be exported to the designated log server. You can browse the log information on the log server.

**Grade of the system log information:** The output of the system log can be divided into different grades. You can export the logs with designated range. The bigger the value of the log's range is, the more detailed the log is.

**Enable log buffer:** After the log buffer is enabled, you can set the information about the log buffer. **Size of the system log cache:** Sets the size of the log cache zone on the device.

**Grade of the log cache information:** Sets the grades of the logs in the cache of the device. The bigger the value of the log's grade is, the more detailed the log is.

## 9.8 Configuration File

In this section, Startup-config file can be exported from OLT, as well as imported to OLT. Click Export to Export current configuration file.

Choose Configuration file and click import to import the previous configuration. Reboot is required after importing any configuration file.

**Export**

Export the current startup-config

Export

**Import**

Import file startup-config

Choose File

No file chosen

Reboot is required after importing configuration file!

Import

**Help**

- Exporting the current configuration information: backup the configuration files of the switch, that is, download the configuration files to the PC for use.
- Importing the configuration files: Upload the configuration files to the switch and then reboot the switch to make the configuration files validate in this switch. The names of the configuration files must contain the character string 'startup-config', or the switch cannot be upgraded. The configuration files must be legal.
- The operations above may cost a little long time. Please continue other configurations after the previous operations are prompted to be complete.

## 9.9 IOS File

OLT's current Firmware can be downloaded (Backup) or Upgraded from this page.

Click Backup IOS To download current software version of the OLT.

To Update, Choose the correct IOS version for the OLT in the choose file option, then click Upgrade. After uploading, reboot the OLT.

**Backup IOS**

Current software version: flash:/switch.bin, 10.3.0D Build 117819 Build 117819, 2023-9-8 13:15:37 by SYS

File name on the server flash:/switch.bin

Backup IOS

**Update IOS**

Reboot is required after the update of IOS software!

☐ Reboot the device automatically after update

File name on the server flash:/switch.bin

Update IOS

Choose File

No file chosen

Upgrade

## 9.10 Restore

Restore the OLT from this section by clicking Restore Button. The OLT Will boot up in Factory Default mode after restoring.

**Factory Default**

Factory Default

Reboot is required

Factory Default

**Help**

## 9.11 Reboot

Reboot the OLT from this section by clicking Reboot Button.



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