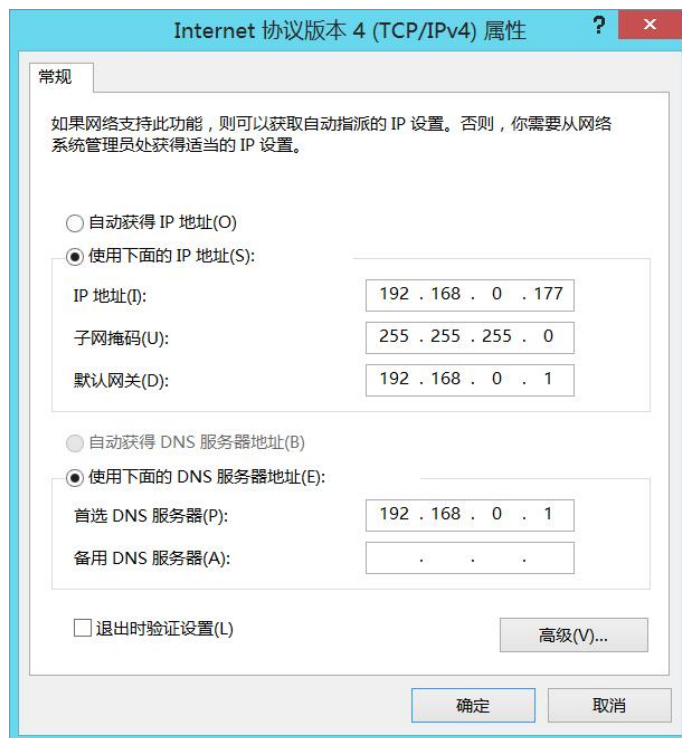


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## 1. Configure network card IP

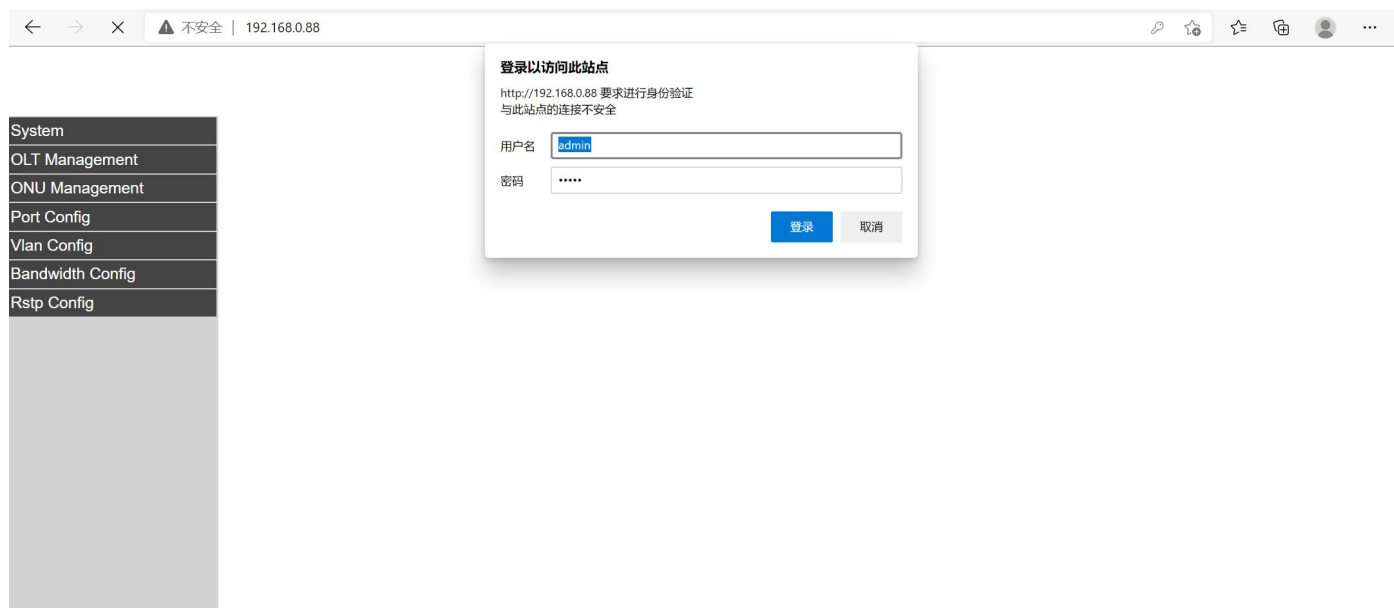
OLT default IP is 192.168.0.88. Change the host IP to 192.168.0.X (X cant be 88) ; Subnet mask:255.255.255.0, gateway:192.168.0.1



## 2. web login

Open a browser, input 192.168.0.88 (ping 192.168.0.88 if success before login)

Account:admin password:admin



### 3. System management

#### 3.1 System Info

Check system name, software version, MAC, IP, operating time.

Change system name, system description, system address.

The screenshot shows the 'System Information' page in the EPON Management System / OLT interface. The page has a blue header with the title 'EPON Management System / OLT', a language dropdown set to 'English', and a login status 'Login: admin / Administrator | Logout'. On the left is a navigation menu with 'System' selected. The main content area displays a 'System Information' table with the following data:

System Information	
System Name:	unknown
System Description:	unknown
System Address:	Earth
Switch Type:	OLT
Software Version:	v7.52
Revision:	Release20210827
MAC Address:	78:5c:72:a3:25:76
IP Address:	192.168.0.88
Run Time:	0 hours 0 minutes 53 seconds
CPU Usage:	0%
DRAM Memory:	44.26%

Below the table are 'OK' and 'Refresh' buttons.

#### 3.2 Administrator

Create Administrator account, set authority

The screenshot shows the 'User List' page in the EPON Management System / OLT interface. The page has a blue header with the title 'EPON Management System / OLT', a language dropdown set to 'English', and a login status 'Login: admin / Administrator | Logout'. On the left is a navigation menu with 'Administrator' selected. The main content area displays a 'User List' table with the following data:

Index	User Name	User Group
0	admin	Administrator

Below the table are 'Add', 'Delete', and 'Refresh' buttons.

#### 3.3 Network config

Change OLT management IP, add VLAN. If add management VLAN, need to connect the management port to the switch, and config management VLAN to trunk port and access port.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System
System Info
Administrator
Network
System Time
System Task
Http Port
System Log
System Log Config
Backup Config
Factory Setting
System Reboot
System Upgrade
OLT Management
ONU Management
Port Config
Vlan Config
Bandwidth Config
Rstp Config

**Management IP Setting**

Device IP	192	. 168	. 0	. 88
Netmask	255	. 255	. 255	. 0
Gateway IP	192	. 168	. 0	. 1

### 3.4 System time

Change OLT system time and NTP server address. After input NTP server IP, OLT will synchronize NTP time.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System
System Info
Administrator
Network
System Time
System Task
Http Port
System Log
System Log Config
Backup Config
Factory Setting
System Reboot
System Upgrade
OLT Management
ONU Management
Port Config
Vlan Config
Bandwidth Config
Rstp Config

**System Time Setting**

Current Time : 2021 Year - 01 Month - 02 Day 10 Hour : 45 Minute : 58 Second

---

**NTP Configuration**

NTP Server IP : 192.168.0.1

### 3.5 system take

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center; background-color: #333; color: white; margin: 0;">Task Setting</p> <p>Timer Setting : <input type="text" value="1"/> Days Interval <input type="text" value="4"/> Hour <input type="text" value="30"/> Minute</p> <p>Action Setting : <input type="radio"/> Reboot OLT Card <input type="radio"/> Reboot ONU <input type="radio"/> Reboot System</p> <p>Enable Setting : <input type="radio"/> Enable <input checked="" type="radio"/> Disable</p> <p style="text-align: center;"> <input type="button" value="Apply"/> <input type="button" value="Refresh"/> </p> </div>
System Info	
Administrator	
Network	
System Time	
System Task	
Http Port	
System Log	
System Log Config	
Backup Config	
Factory Setting	
System Reboot	
System Upgrade	
OLT Management	
ONU Management	
Port Config	
Vlan Config	
Bandwidth Config	
Rstp Config	

### 3.6 System log

Check system log

Here to check OLT dynamic information, eg: IP access, ONU offline, new device access, parameter config etc.

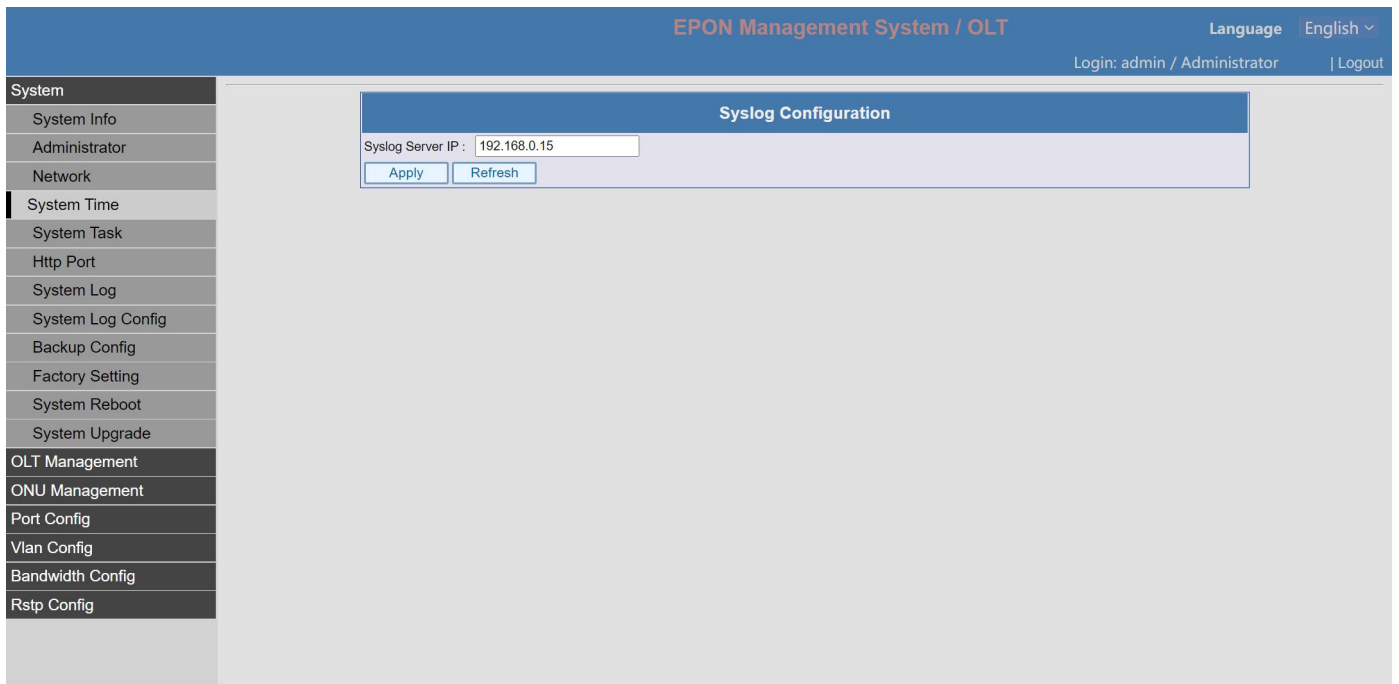
EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System	<div style="border: 1px solid #ccc; padding: 5px;"> <p style="text-align: center; background-color: #333; color: white; margin: 0;">System Log</p> <p style="text-align: right;"> <input type="text"/> <input type="button" value="StartSearch"/> </p> <p>Jan 2 10:44:23 Web: web connection 192.168.0.222, current web client=0</p> <p style="text-align: center; margin-top: 20px;"> <input type="button" value="Clean"/> <input type="button" value="Export"/> <input type="button" value="Previous Page"/> <input type="button" value="Next Page"/> </p> </div>
System Info	
Administrator	
Network	
System Time	
System Task	
Http Port	
System Log	
System Log Config	
Backup Config	
Factory Setting	
System Reboot	
System Upgrade	
OLT Management	
ONU Management	
Port Config	
Vlan Config	
Bandwidth Config	
Rstp Config	

### 3.7 System log configure

Mainly configure the log server IP, after configured, the system log will auto upload to the log server.

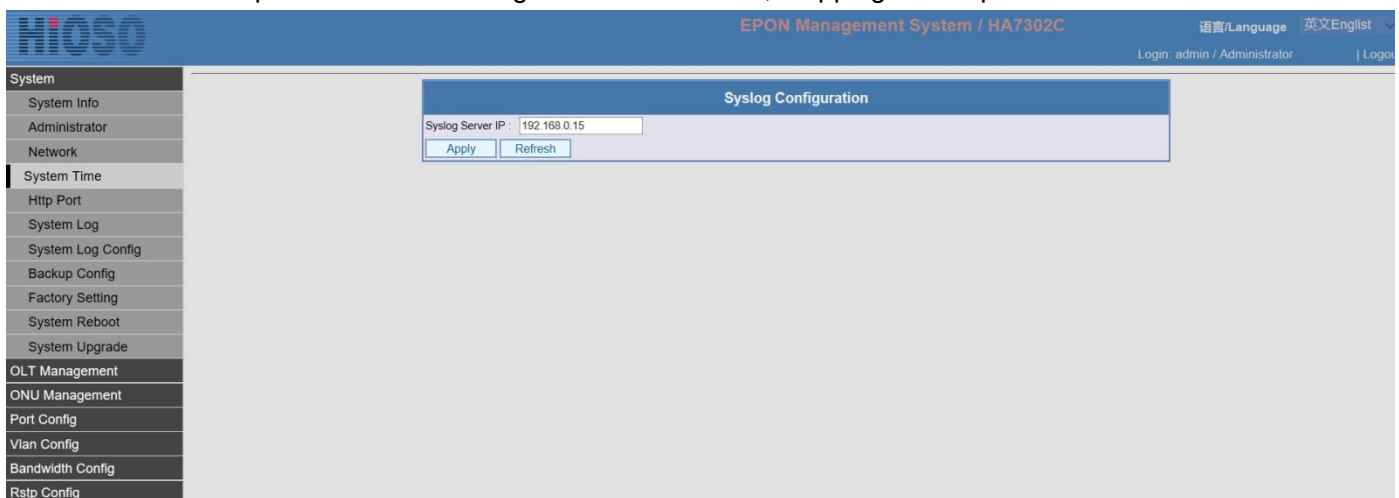
Firstly, install the log server.



### 3.8 Change web port number

Default port of web access is 80, it is ok to change this port number.

To telnet access the OLT through internet, need to do port mapping at the router (which is connected to the OLT for internet input). Mapping the public network IP to the OLT management IP and port number 80. If the port number 80 changed to other number, mapping to that port number for telnet access.



### 3.9 Backup Configuration and import

Backup the configuration and save.

Import the the configuration file and implement.

EPON Management System / OLT Language English ▾  
Login: admin / Administrator | Logout

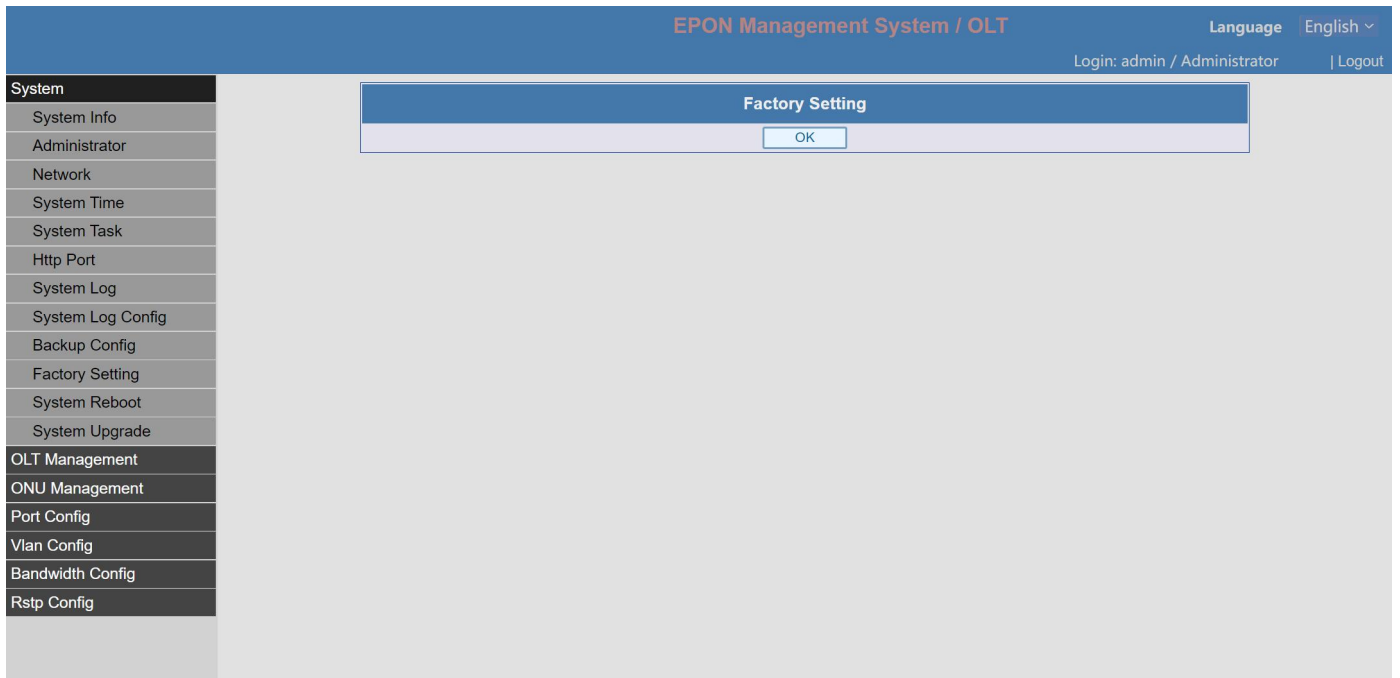
System	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; background-color: #f0f0f0;"> <p style="text-align: center; margin: 0;"><b>Backup Configuration</b></p> <p style="text-align: center; margin: 0;"><input type="button" value="OK"/></p> </div> <div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> <p style="text-align: center; margin: 0;"><b>Restore Configuration</b></p> <p style="margin: 0;">选择文件 未选择文件</p> <p style="text-align: center; margin: 0;"><input type="button" value="OK"/></p> </div>
System Info	
Administrator	
Network	
System Time	
System Task	
Http Port	
System Log	
System Log Config	
Backup Config	
Factory Setting	
System Reboot	
System Upgrade	
OLT Management	
ONU Management	
Port Config	
Vlan Config	
Bandwidth Config	
Rstp Config	

### 3.10 Factory setting

Factory setting, all the configuration will be back to default setting.

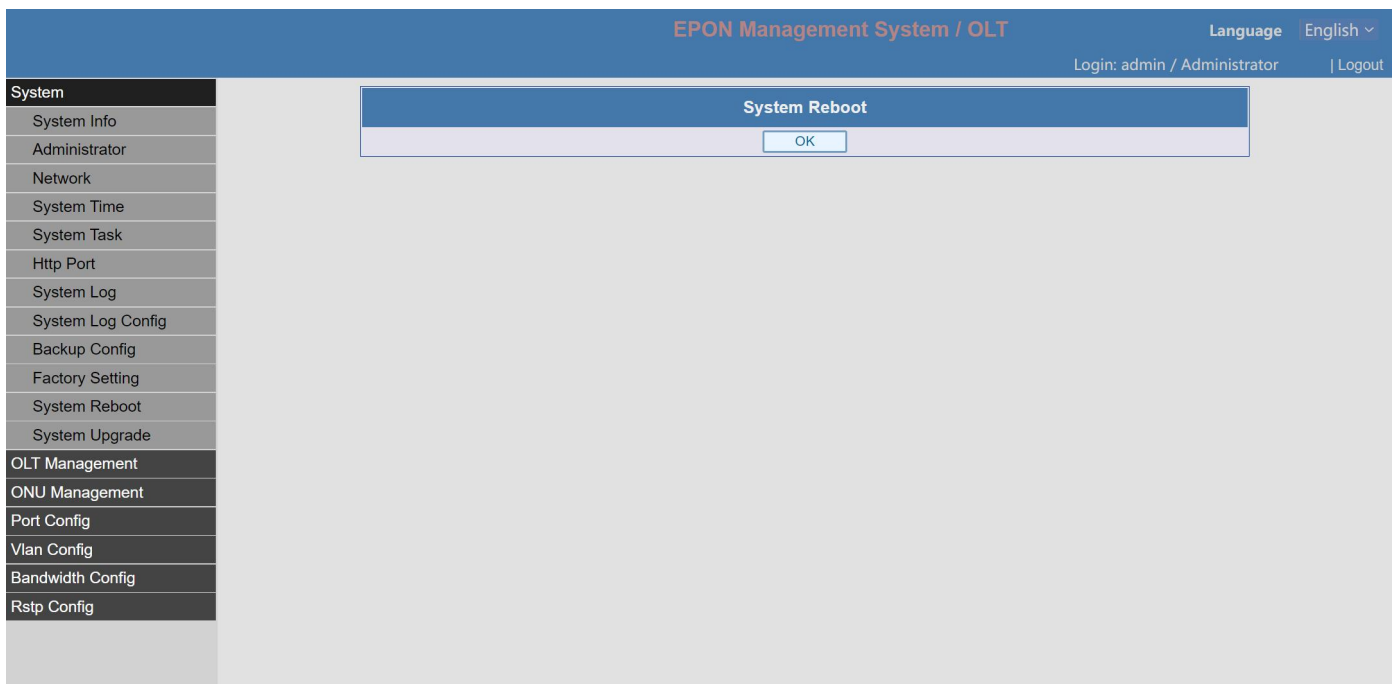
EPON Management System / OLT Language English ▾  
Login: admin / Administrator | Logout

System	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 5px; background-color: #f0f0f0;"> <p style="text-align: center; margin: 0;"><b>Factory Setting</b></p> <p style="text-align: center; margin: 0;"><input type="button" value="OK"/></p> </div>
System Info	
Administrator	
Network	
System Time	
System Task	
Http Port	
System Log	
System Log Config	
Backup Config	
Factory Setting	
System Reboot	
System Upgrade	
OLT Management	
ONU Management	
Port Config	
Vlan Config	
Bandwidth Config	
Rstp Config	



### 3.10 System Reboot

When meet problems, try reboot the system.



### 3.11 System upgrade

Choose the update file===» execute

When you see upgrade success, reboot the OLT.

Check the OLT version before upgrade, after upgrade, check if OLT version changed.



EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

- System
- System Info
- Administrator
- Network
- System Time
- System Task
- Http Port
- System Log
- System Log Config
- Backup Config
- Factory Setting
- System Reboot
- System Upgrade
- OLT Management
- ONU Management
- Port Config
- Vlan Config
- Bandwidth Config
- Rstp Config

**System Upgrade**

Please select a valid file.(with a suffix of .bin)  未选择文件

Note: Don't power off.

#### 4. ONU Management

4.1 Check the ONU registered,optical power, reboot ONU etc.

Check the ONU online status,version,chip set,and port number

If the online ONU can be seen the chipset type, it can get internet; if the chipset type 0000, the onu status is abnormal, can't get internet.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

- System
- OLT Management
- ONU Management
- ONU Overview
- Search ONU
- ONU IgmpSnooping
- Delete ONU
- ONU AuthMode
- Attempt ONU
- ONU Port Isolate
- Port Config
- Vlan Config
- Bandwidth Config
- Rstp Config

**Select a pon port**

PonId	Information
0/1/1	N/A
0/1/2	N/A

Choose the related PON port====> choose ONU. Rename ONU,check ONU online offline time,check ONU optical power, reboot ONU, disable ONU access,restore to factory set.

EPON Management System / OLT Language English | Login: admin / Administrator | Logout

- System
- OLT Management
- ONU Management
- ONU Overview
- Search ONU
- ONU IgmpSnooping
- Delete ONU
- ONU AuthMode
- Attempt ONU
- ONU Port Isolate
- Port Config
- Vlan Config
- Bandwidth Config
- Rstp Config

ONU 0/1/1:1 Configuration

<b>Mac Address :</b>	78:5c:72:70:3e:8a
<b>Name :</b>	NA
<b>Status :</b>	Down
<b>Operation :</b>	---

#### 4.2 Delete ONU

Choose the ONU you want to delete, click Delete.

EPON Management System / OLT Language English | Login: admin / Administrator | Logout

- System
- OLT Management
- ONU Management
- ONU Overview
- Search ONU
- ONU IgmpSnooping
- Delete ONU
- ONU AuthMode
- Attempt ONU
- ONU Port Isolate
- Port Config
- Vlan Config
- Bandwidth Config
- Rstp Config

PON 0/1/1 ONU

<input type="checkbox"/>	ONU Id	ONU Mac	ONU Name	Online Status	Version	Chip Id	Operation
<input type="checkbox"/>	0/1/1:1	78:5c:72:70:3e:8a	NA	Down	0101	9125	<input type="button" value="Delete"/>

#### 4.3 Search ONU

Input ONU MAC, check the ONU status, which PON port connected to .

EPON Management System / OLT Language English ▾  
Login: admin / Administrator | Logout

	Please Select one Pon Port	
Pon Id	Information	
0/1/1	N/A	
0/1/2	N/A	

[Refresh](#)

## 5. Port Management

### 5.1 OLT PON port

Check ONT PON port status, module temperature,voltage,optical power etc

EPON Management System / OLT Language English ▾  
Login: admin / Administrator | Logout

	OLT Port Status						
Port Id	Enable	Link Status	AutoNeg	Speed	Duplex	FlowCtl	
GE0/1_1	Enable	LinkDown	Enable	100M	Full	Disable	
GE0/1_2	Enable	LinkDown	Enable	100M	Full	Disable	

[Refresh](#)

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System
OLT Management
ONU Management
Port Config
OLT Port Status
OLT Port Statistic
ONU Port Status
ONU Port Statistic
Vlan Config
Bandwidth Config
Rstp Config

**OLT Port 0/1\_1 Configuration**

Port Enable :	Enable	▼
Port AutoNeg :	Enable	▼
Port Speed :	100M	▼
Port Duplex :	Full	▼
Port Flow Ctrl :	Disable	▼
<b>PON Port Optic Module Information</b>		
Optic Module Temperature :	0.00 C	
Optic Module Voltage :	0.00 V	
Optic Module Current :	0.00 mA	
Optic Module Tx Power :	-inf dBm	

## 5.2 OLT GE port

Check the OLT uplink GE port status.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

System
OLT Management
ONU Management
Port Config
OLT Port Status
OLT Port Statistic
ONU Port Status
ONU Port Statistic
Vlan Config
Bandwidth Config
Rstp Config

**OLT Port 0/1\_1 Configuration**

Port Enable :	Enable	▼
Port AutoNeg :	Enable	▼
Port Speed :	100M	▼
Port Duplex :	Full	▼
Port Flow Ctrl :	Disable	▼
<b>PON Port Optic Module Information</b>		
Optic Module Temperature :	0.00 C	
Optic Module Voltage :	0.00 V	
Optic Module Current :	0.00 mA	
Optic Module Tx Power :	-inf dBm	

## 5.3 ONU Port

Check ONU Ethernet port status, if there is device connected or not, enable/disable ports, set the port rate.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

PON 0/1/1 ONU List							
Id	Name	MacAddress	Status	Version	ChipID	PortNumber	
0/1/1:1	NA	78:5c:72:70:3e:8a	Down	0101	9125	2	

## 6. Statistic

Check the data flow statistic of PON port, uplink ports, ONU link. This to check if there are online users under the ONU. The statistic is changing, means there is online user.

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

OLT Port Statistic										
Port Id	RxPkt	RxUnicast	RxBroadcast	RxMulticast	TxPkt	TxUnicast	TxBroadcast	TxMulticast	CrcError	Dropped
PON0/1/1	0	0	0	0	0	0	0	0	0	0
PON0/1/2	0	0	0	0	0	0	0	0	0	0
GE0/1_1	0	0	0	0	0	0	0	0	0	0
GE0/1_2	0	0	0	0	0	0	0	0	0	0

## 7. VLAN Configure

Follow the below steps to set VLAN:

Transparent mode (no matter the data from the Ethernet port with or without VLAN tag, it can pass)

Tag mode (the data will add vlan Tag, the data with Tag will be forwarded with tag removed)

Translate mode (eg, the data with VLAN 200 will change to VLAN100)

EPON Management System / OLT Language English  
 Login: admin / Administrator | Logout

OLT Port Vlan			
Port Id	Ether Type	Vlan Id	Configuration
0/1_1	0x8100	0	Config
0/1_2	0x8100	0	Config

Tag mode  
Translate mode

EPON Management System / OLT Language English  
Login: admin / Administrator | Logout

System

OLT Management

ONU Management

Port Config

Vlan Config

OLT Port Vlan

ONU Port Vlan

Bandwidth Config

Rstp Config

ONU Port 0/1/2:1\_1 Vlan Configuration

Port Id : 0/1/2:1\_1

Vlan Mode : Transparent

Pvid : Transparent (1-4095)

Tag

Translate Translate Example:100-

Pairs : 200,300-400

OK
Refresh
Return

## 8. Link Bandwidth

ONU Link Bandwidth menu supports to configure uplink fixed bandwidth, maximum uplink guaranteed bandwidth, maximum bandwidth, downlink bandwidth etc.

Default uplink maximum bandwidth is 1000000kb, means 1000M.

0 为不做限制。

EPON Management System / OLT Language English  
Login: admin / Administrator | Logout

System

OLT Management

ONU Management

Port Config

Vlan Config

Bandwidth Config

OLT Port Bandwidth

ONU Link Bandwidth

Rstp Config

Please Select one OLT

Id	Name	MacAddr	Version	PonNum	Status	Configuration
0/1	NA	78:5c:72:50:00:00	c230	2	Up	config

Refresh

EPON Management System / OLT Language English  
Login: admin / Administrator | Logout

System

OLT Management

ONU Management

Port Config

Vlan Config

Bandwidth Config

OLT Port Bandwidth

ONU Link Bandwidth

Rstp Config

PON 0/1/1, Llid bandwidth configuration

<input type="checkbox"/>	Llid Id	ONU Mac	Llid Mac	UpMax	UpMin	UpBurst	DownMax	DownMin	DownBurst
<input type="checkbox"/>	0/1/1_2	78:5c:72:70:3e:8a	78:5c:72:70:3e:8a	1000000	0	13	960000	0	16
				(0-1000000)kbps	(0-1000000)kbps	(1-256)kb	(0-1000000)kbps	(0-1000000)kb	(1-256)kbps

Apply
Refresh
Return

## 9. RSTP configuration

EPON Management System / OLT

Language English ▼

Login: admin / Administrator | Logout

System

OLT Management

ONU Management

Port Config

Vlan Config

Bandwidth Config

Rstp Config

ONU Rstp

**Please Select one Pon Port**

Pon Id	Information
0/1/1	N/A
0/1/2	N/A