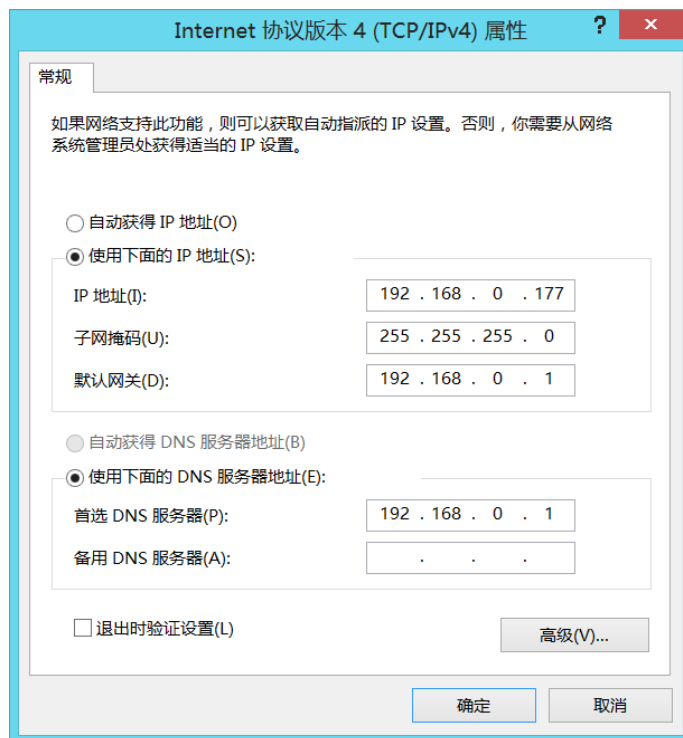


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## 1. Configure network card IP

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.

System Information	
System Name:	unknown
System Description:	unknown
System Address:	Shenzhen China
Switch Type:	HA7302C
Software Version:	v7.15
Revision:	Release20190327
MAC Address:	78:5c:72:a2:1a:8e
IP Address:	192.168.0.88
Run Time:	3 hours 31 minutes 47 seconds
undefined:	3 hours 31 minutes 47 seconds

#### 3.2 Administrator

Create Administrator account, set authority

Index	User Name	User Group
0	admin	Administrator

#### 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.

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.

The screenshot shows the OLT configuration interface. On the left is a navigation menu with the following items: System, System Info, Administrator, Network, System Time, 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, and Rstp Config. The main content area is divided into two sections: 'System Time Setting' and 'NTP Configuration'. The 'System Time Setting' section displays the current time as 2017 Year - 01 Month - 01 Day, 18 Hour : 00 Minute : 23 Second, with 'Apply' and 'Refresh' buttons. The 'NTP Configuration' section has an input field for 'NTP Server IP' containing '192.168.0.1', also with 'Apply' and 'Refresh' buttons.

### 3.5 System log

Check system log

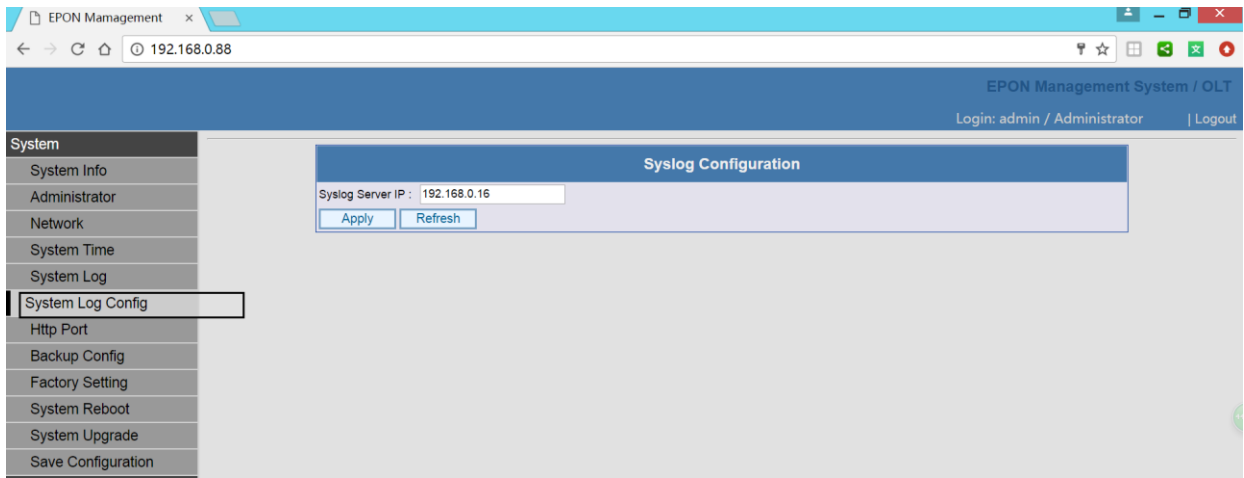
Here to check OLT dynamic information, eg: IP access, ONU offline, new device access, parameter config etc.

The screenshot shows the OLT System Log interface. The left navigation menu is the same as in the previous screenshot. The main content area is titled 'System Log' and displays a list of log entries: 'Jan 1 17:57:24 EPON: ===== [ System Start ] v7.15 Release20190327 =====', 'Jan 1 17:57:35 EPON: Slot 1 Onu 78.5c.72.70.7c.72 Discovery', 'Jan 1 17:57:36 EPON: \*\* FwRetCmdFailed: slot=1, cmd=321', 'Jan 1 17:57:37 EPON: \*\* FwRetCmdFailed: slot=1, cmd=321', and 'Jan 1 17:58:17 Web: New web connection , current web client=1'. At the bottom of the log area are buttons for 'Clean', 'Export', 'Previous Page', and 'Next Page'.

### 3.6 System log configure

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

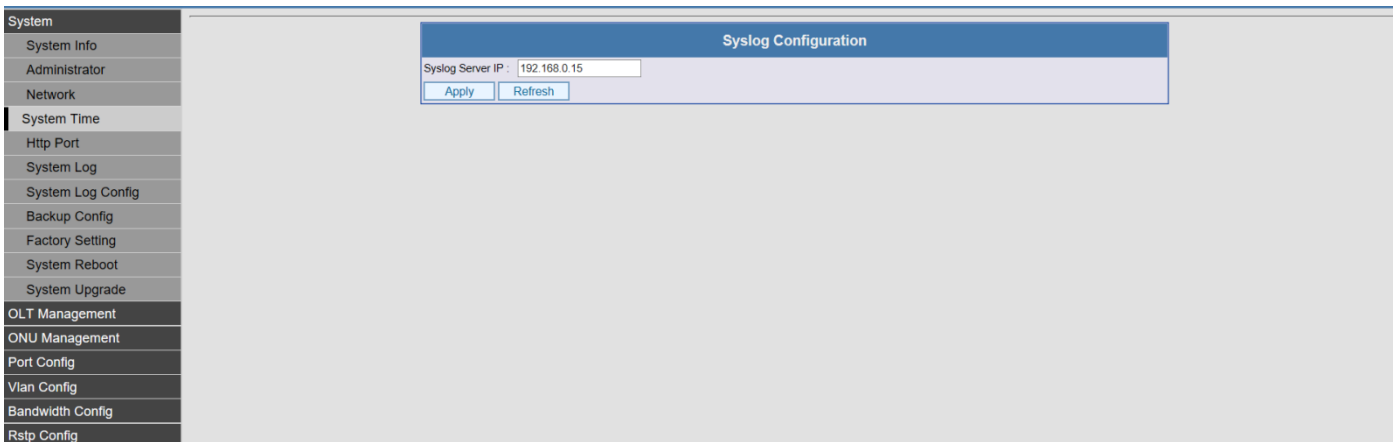
Firstly, install the log server.



### 3.7 Change web port number

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

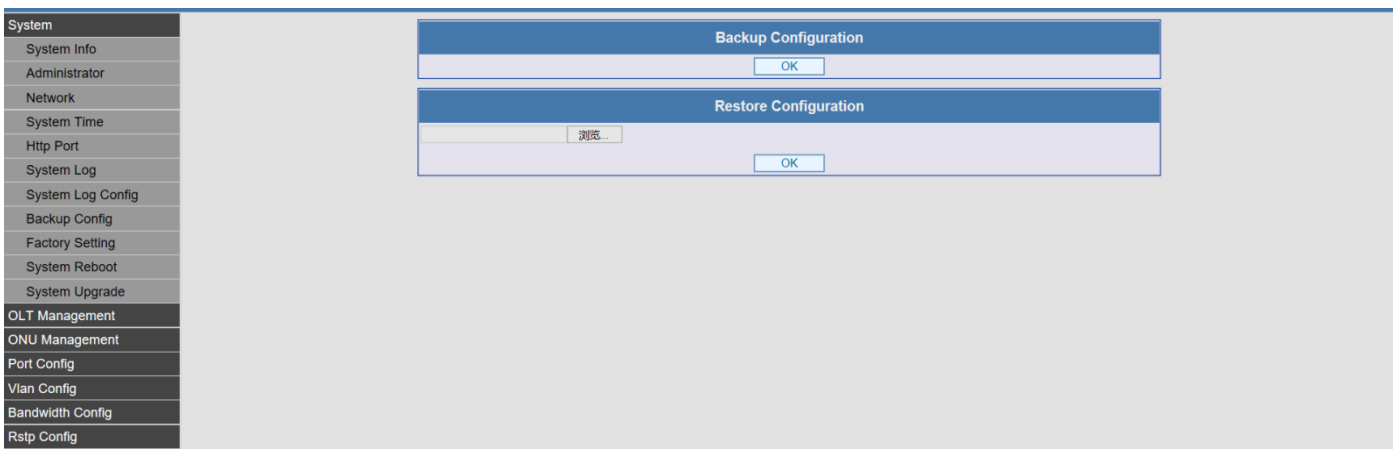
To telnet access the OLT through internet, need to do port mapping at the router (which is connected to the OLT for internet input). Mapping the public network IP to the OLT management IP and port number 80. If the port number 80 changed to other number, mapping to that port number for telnet access.



### 3.8 Backup Configuration and import

Backup the configuration and save.

Import the the configuration file and implement.



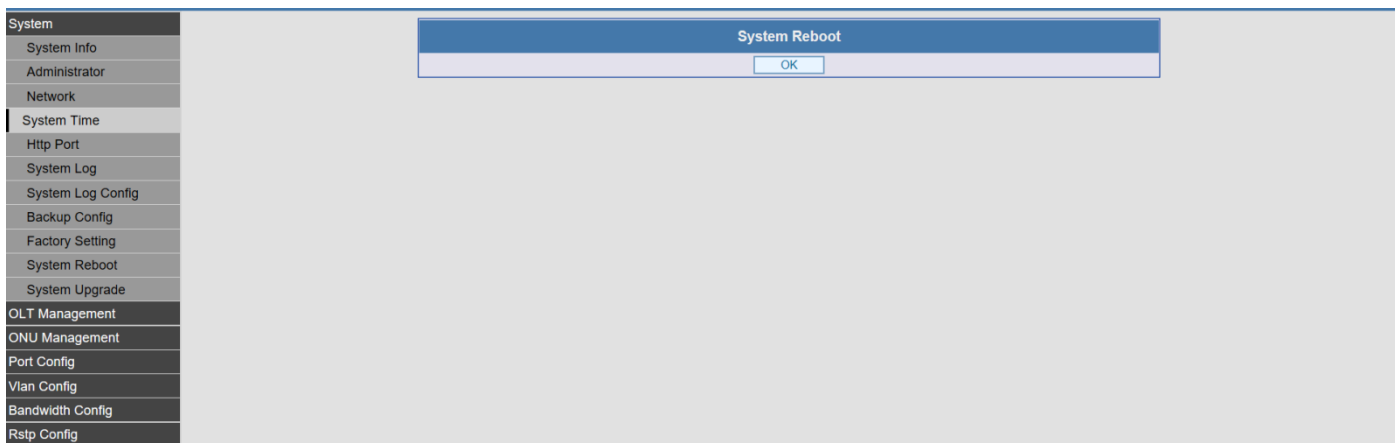
### 3.9 Factory setting

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



### 3.10 System Reboot

When meet problems, try reboot the system.

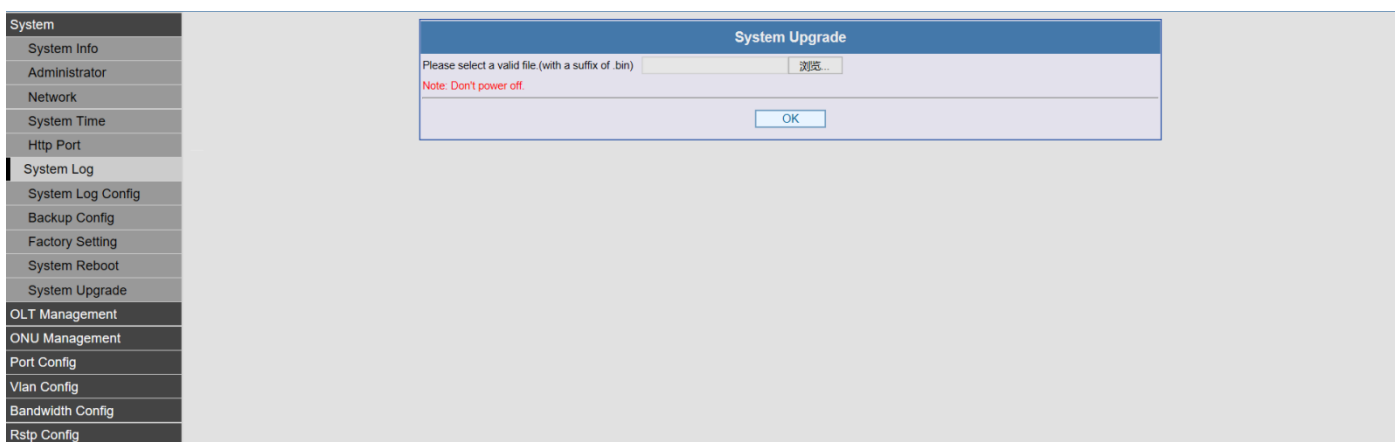


### 3.11 System upgrade

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.



## 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.

Id	Name	MacAddr	Version	PonNum	Status
0/1	NA	78.5c.72.50.5b.34	c230	2	Up

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.

### 4.2 Delete ONU

Choose the ONU you want to delete, click Delete.

### 4.3 Search ONU

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

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

## 5. Port Management

### 5.1 OLT PON port

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

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 Status**

Port Id	Enable	Link Status	AutoNeg	Speed	Duplex	FlowCtl
GE0/1_1	Enable	LinkDown	Disable	1000M	Full	Disable
GE0/1_2	Enable	LinkDown	Disable	1000M	Full	Disable

[Refresh](#)

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 :

Port AutoNeg :

Port Speed :

Port Duplex :

Port Flow Ctrl :

PON Port Optic Module Information ↕

Optic Module Temperature :

Optic Module Voltage :

Optic Module Current :

Optic Module Tx Power :

### 5.2 OLT GE port

Check the OLT uplink GE port status.

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 Statistic**

Port Id	RxPkt	RxUnicast	RxBroadcast	RxMulticast	TxPkt	TxUnicast	TxBroadcast	TxMulticast	CroError	Dropped
PON0/1/1	0	0	0	0	0	0	0	0	0	0
PON0/1/2	14	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	13	0	12	1	1	0

### 5.3 ONU Port

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

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

**PON 0/1/2 ONU List**

Id	Name	MacAddress	Status	Version	ChipID	PortNumber
0/1/2-1	NA	78:5c:72:70:7c:72	Up	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.

The screenshot shows the 'OLT Port 0/1\_1 Configuration' page. The left sidebar contains a menu with options: System, OLT Management, ONU Management, Port Config, OLT Port Status, OLT Port Statistic, ONU Port Status, ONU Port Statistic, Vlan Config, Bandwidth Config, and Rstp Config. The main content area displays configuration settings for the port:

- Port Enable: Enable
- Port AutoNeg: Disable
- Port Speed: 1000M
- Port Duplex: Full
- Port Flow Ctrl: Disable
- PON Port Optic Module Information:
  - Optic Module Temperature: 0.00 C
  - Optic Module Voltage: 0.00 V
  - Optic Module Current: 0.00 mA
  - Optic Module Tx Power: -inf dBm

Buttons at the bottom include OK, Refresh, and Return.

The screenshot shows the 'ONU 0/1:2 Link Statistic' page. The left sidebar contains a menu with options: System, ONU Management, Port Management, Statistic, OLT PON Statistic, OLT GE Statistic, ONU Link Statistic, Vlan Config, Bandwidth Config, OLT Mac Config, Port Aggregation, and SNMP Config. The main content area displays a table of link statistics for Port ID 0/1:2:

Port ID	0/1:2
Rx Bytes	0
Rx Unicast	0
Rx Broadcast	0
Rx Multicast	0
Rx Error	0
Tx Bytes	0
Tx Unicast	0
Tx Broadcast	0
Tx Multicast	0
Tx Error	0

Buttons at the bottom include Clean, Refresh, and Return.

## 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 vian Tag, the data with Tag will be forwarded with tag removed)

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

The screenshot shows the 'OLT Port Vlan' page. The left sidebar contains a menu with options: System, OLT Management, ONU Management, Port Config, Vlan Config, OLT Port Vlan, ONU Port Vlan, Bandwidth Config, and Rstp Config. The main content area displays a table of port VLAN configurations:

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

A Refresh button is located below the table.

Tag mode

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 :

Pvid :  Example: 100-200,300-

Translate Pairs :

### Translate mode

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 :

Pvid :  Example: 100-200,300-

Translate Pairs :

## 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 means no limit

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:72.50.5b:34	c230	2	Up	config

System
OLT Management
ONU Management
Port Config
Vlan Config
Bandwidth Config
OLT Port Bandwidth
ONU Link Bandwidth
Rstp Config

**Link 0/1/2\_1 Bandwidth Configuration**

Liid Id : 0/1/2\_1

ONU Mac : 78.5c:72.70.7c:72

ONU Name :

Liid Mac : 78.5c:72.70.7c:72

UpStream Max :  (0-1000000)kbps

UpStream Min :  (0-1000000)kbps

UpStream Burst :  (1-256)kb

DownStream Max :  (0-1000000)kbps

DownStream Min :  (0-1000000)kb

DownStream Burst :  (1-256)kbps

## 11. RSTP configuration

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