



Operation Guide

HSGQ-CLOUD

Management Platform



Supported Product Models

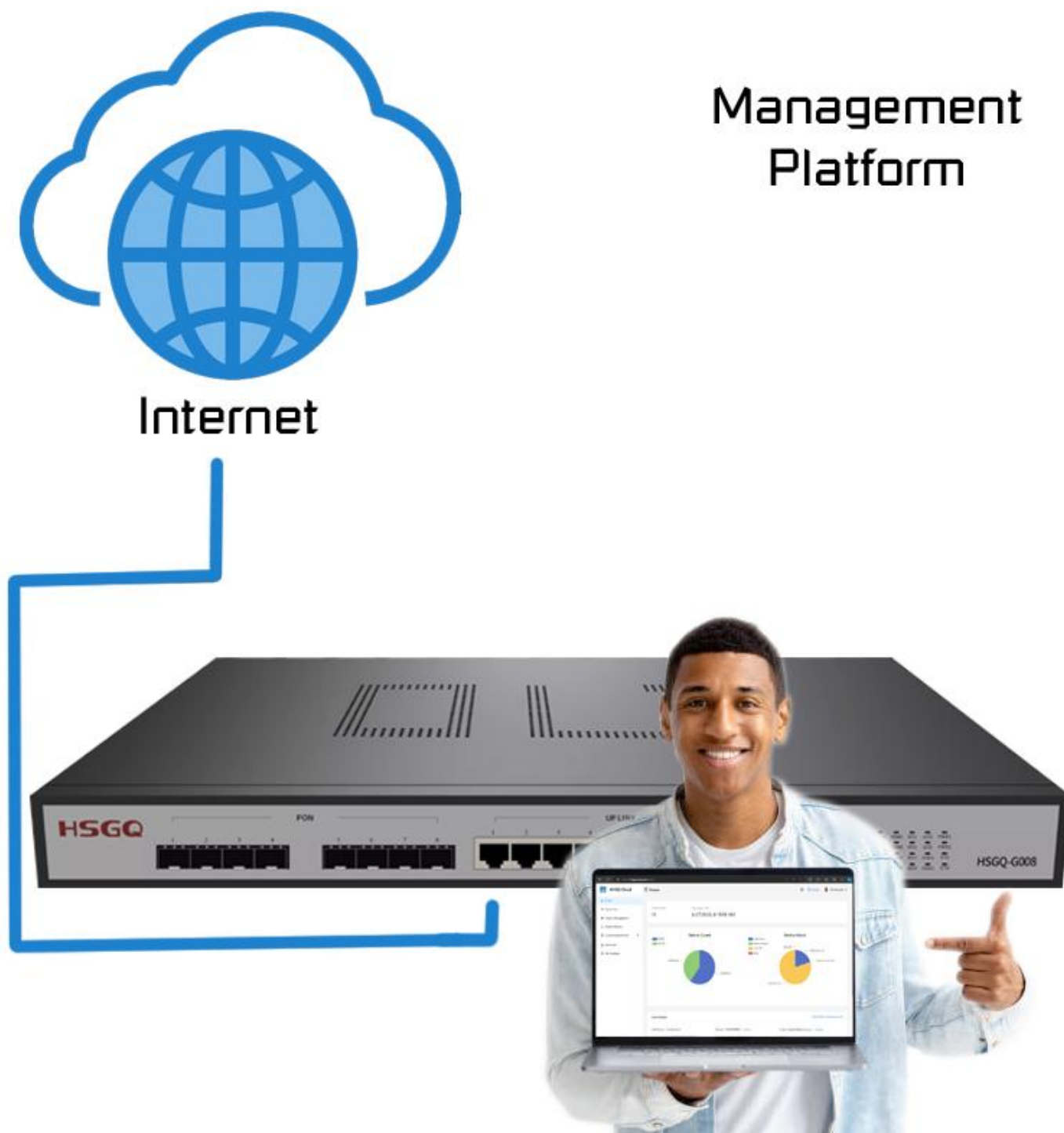
Product Category	Product Name	Product Model	Supported Software Version
EPON OLT	E04/E08 XE04/XE08 E04I/XE04I E04L	4 PON/8 PON	upgrade_16m_I_V3.5.0C_Rel upgrade_32m_I_V3.5.0C_Rel
EPON OLT	E04R/E08R XE04R/XE08R	4 PON/8 PON	upgrade_32m_IR_V3.5.0C_Rel
EPON OLT	XE04S/XE08S	4 PON/8 PON	upgrade_32m_IRS_V3.5.0C_Rel
EPON OLT	E04T	4 PON	upgrade_32m_IRT_V3.5.0C_Rel
EPON OLT	E04M	4 PON	20240523 E04m V3.5.0C_Rel
GPON OLT	G01/G02 G004/G008 G04L/G08L/G16L G16	1 PON/2 PON 4 PON/8 PON 4 PON/8 PON/16 PON 16 PON	upgrade_32m_IGC_V1.0.7C_Rel upgrade_32m_IGB_V1.3.2C_Rel upgrade_32m_IGB_V1.3.2C_Rel upgrade_32m_IGA_V1.3.2C_Rel
CORE SWITCH	HSGQ-5528 HSGQ-5830 HSGQ-7912/5912	24*GE/4*SFP+ 24*2.5GE/6*SFP+ 12*SFP+	upgrade_32m_ISW_V3.5.0C_Rel upgrade_32m_ISW_V3.5.0C_Rel upgrade_32m_ISA_V3.5.0C_Rel

** Also support later software upgrade versions



Main Concept

Management Platform





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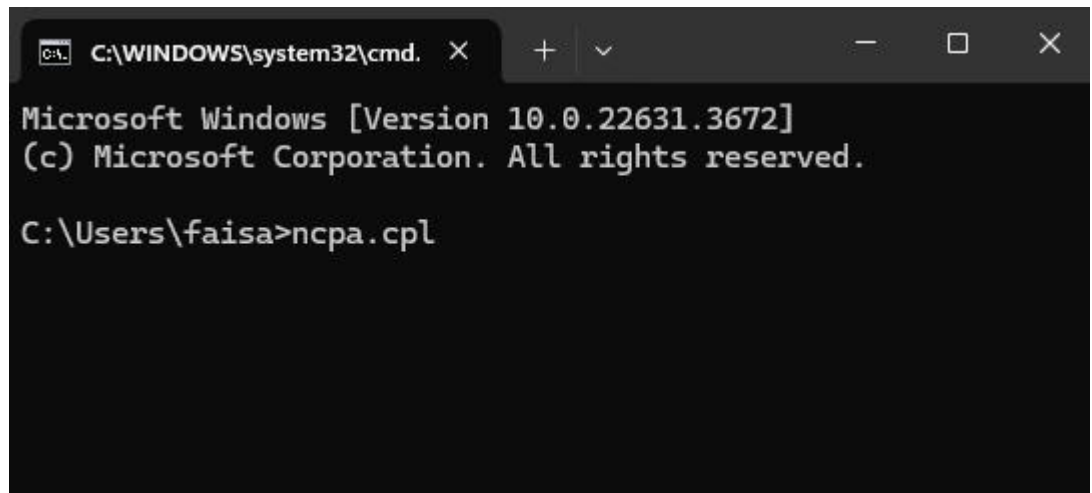


1. Login to your GPON OLT

1.1. Configure your PC's IP

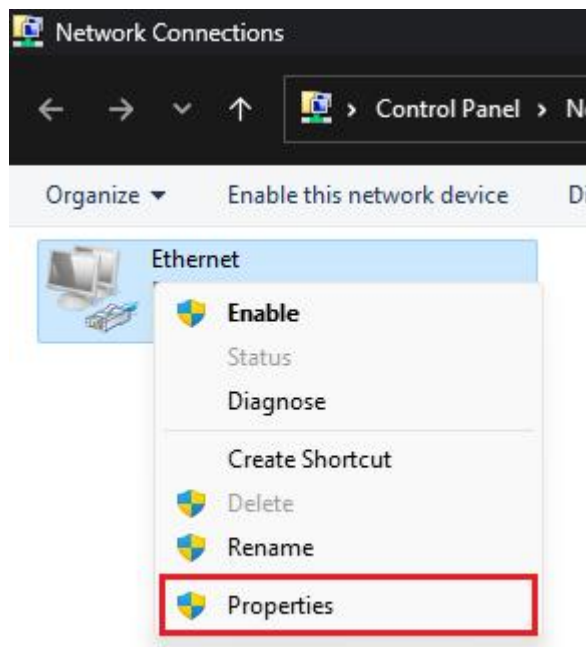
1.1.1. Open command line in your PC

Type "ncpa.cpl" and hit Enter Button on your keyboard



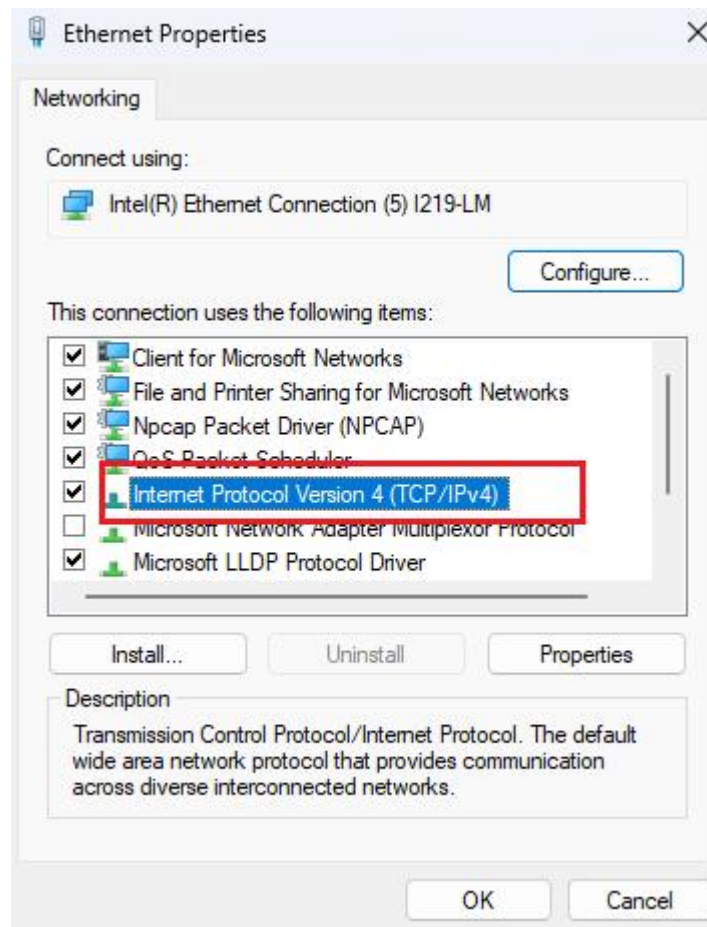
Result: Network Interfaces window will open

1.1.2. Right click your network card and then click Properties



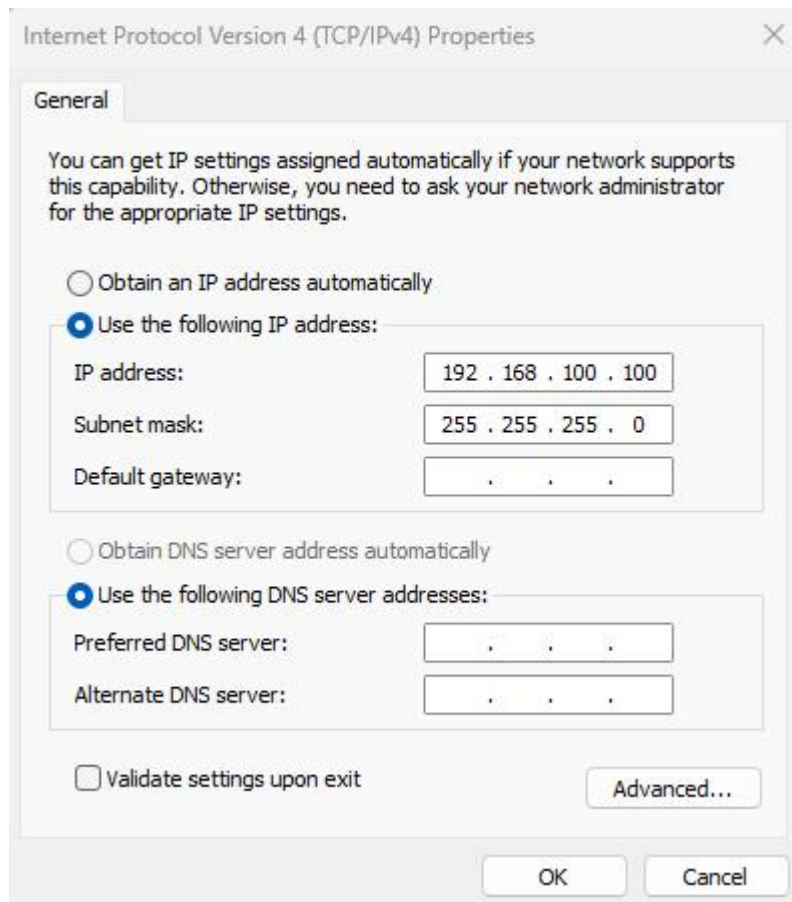


1.1.3. Double Click TCP/IPV4 protocol





- 1.1.4. Enter IP address manually as shown in picture below and click Ok



- 1.2. Connect your PC to OLT

Connect the Ethernet port of your PC to the NMS port of Your OLT





1.3. Test the connection with OLT

Open command line in your PC

Type "Ping 192.168.100.1" and hit Enter Button on your keyboard

```
C:\WINDOWS\system32\cmd. X + - □ X

C:\Users\faiza>ping 192.168.100.1

Pinging 192.168.100.1 with 32 bytes of data:
Reply from 192.168.100.1: bytes=32 time<1ms TTL=63
Reply from 192.168.100.1: bytes=32 time<1ms TTL=63
Reply from 192.168.100.1: bytes=32 time=1ms TTL=63
Reply from 192.168.100.1: bytes=32 time=1ms TTL=63

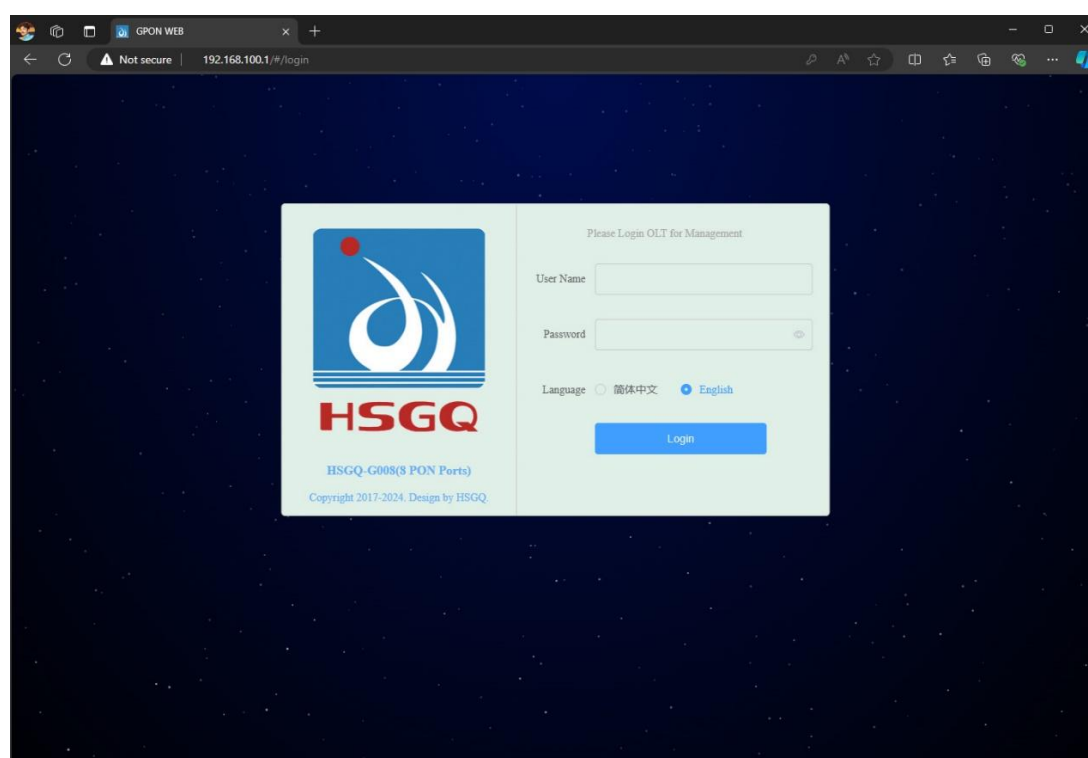
Ping statistics for 192.168.100.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\faiza>
```

1.4. Open the OLT Web Page

Open your web browser

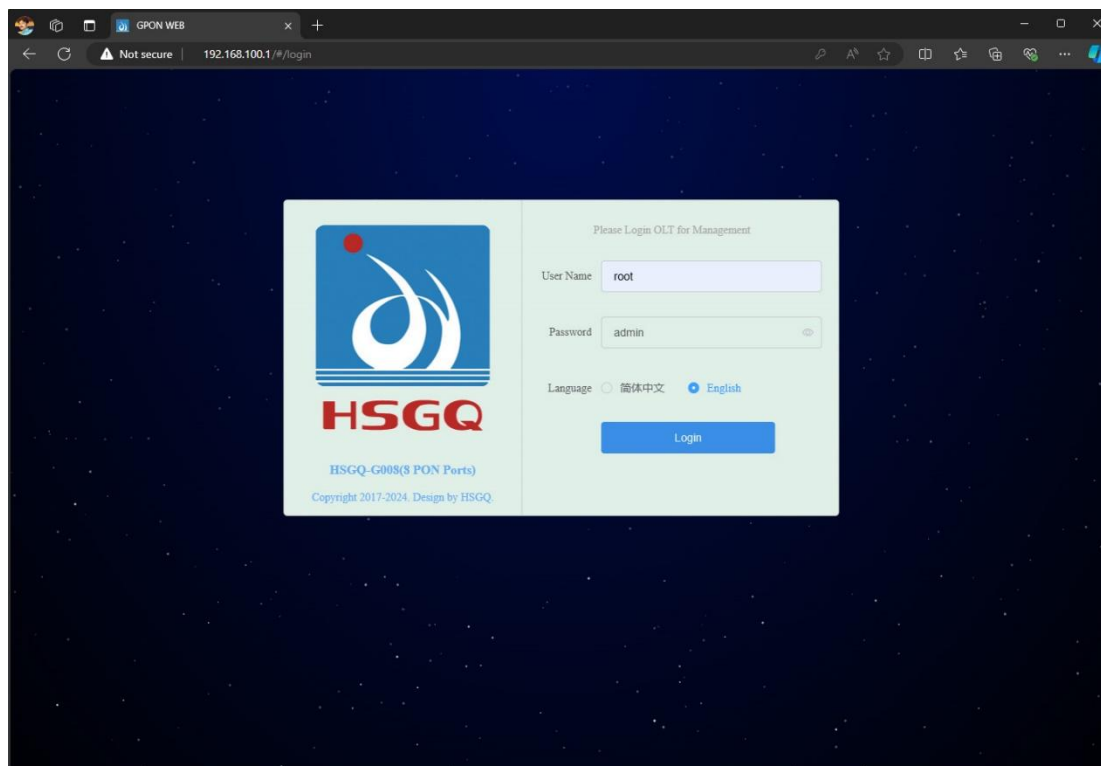
Type "192.168.100.1" in address bar of your web browser and hit Enter on your keyboard





1.5. Enter your login name and password

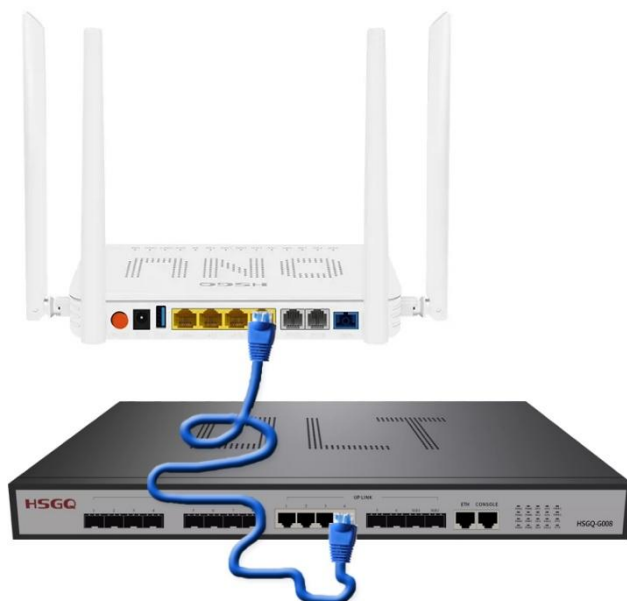
Type “root” as User Name and “admin” as Password and click the Login Button



2. Connect your GPON OLT to the Internet

2.1. Connect OLT Port to Router

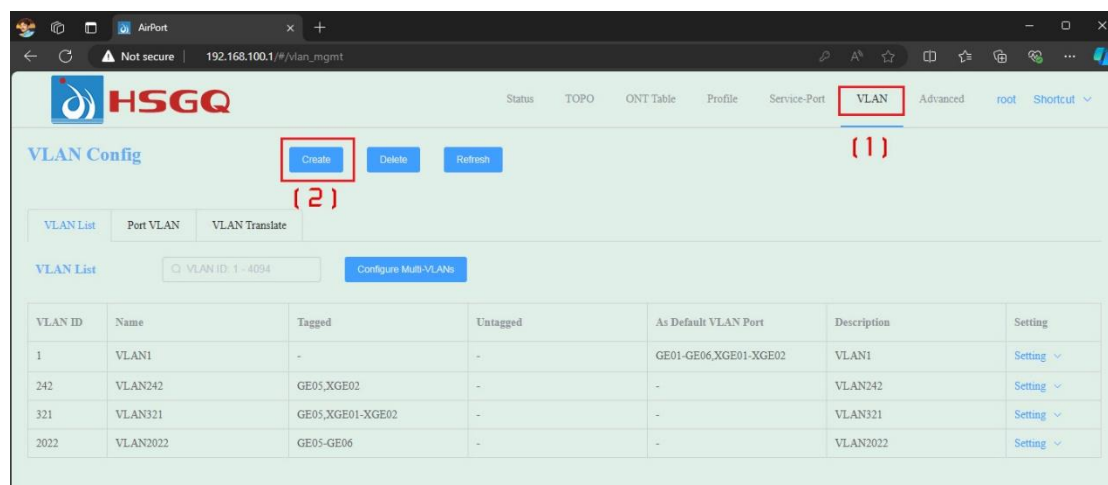
Connect any Ethernet port of your OLT to the router which can provide internet connectivity to the OLT.





2.2. Create Vlan

Click the VLAN menu in the top menu bar and then click Create Button



Enter VLAN ID, and then click Apply

Create VLAN

VLAN ID
Please enter a number between 1 and 4094, you can use, or -

connect

Tagged: Select All

☐ GE01
☐ GE02
☐ GE03
☐ GE04
☐ GE05

☐ GE06
☐ XGE01
☐ XGE02

Untagged: Select All

☐ GE01
☐ GE02
☐ GE03
☐ GE04
☐ GE05

☐ GE06
☐ XGE01
☐ XGE02

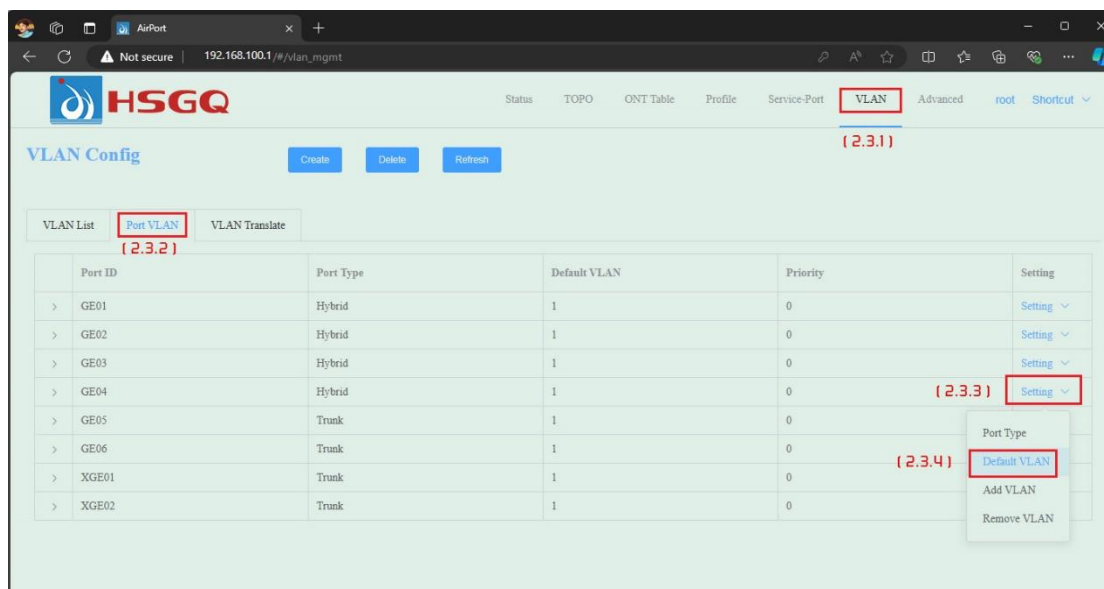
Cancel

Apply



2.3. Set default VLAN for Port

- 2.3.1. Click VLAN menu in the top menu bar
- 2.3.2. Click Port VLAN tab
- 2.3.3. Click Setting in front of port which is connected to the router
- 2.3.4. Click default VLAN in the popup menu



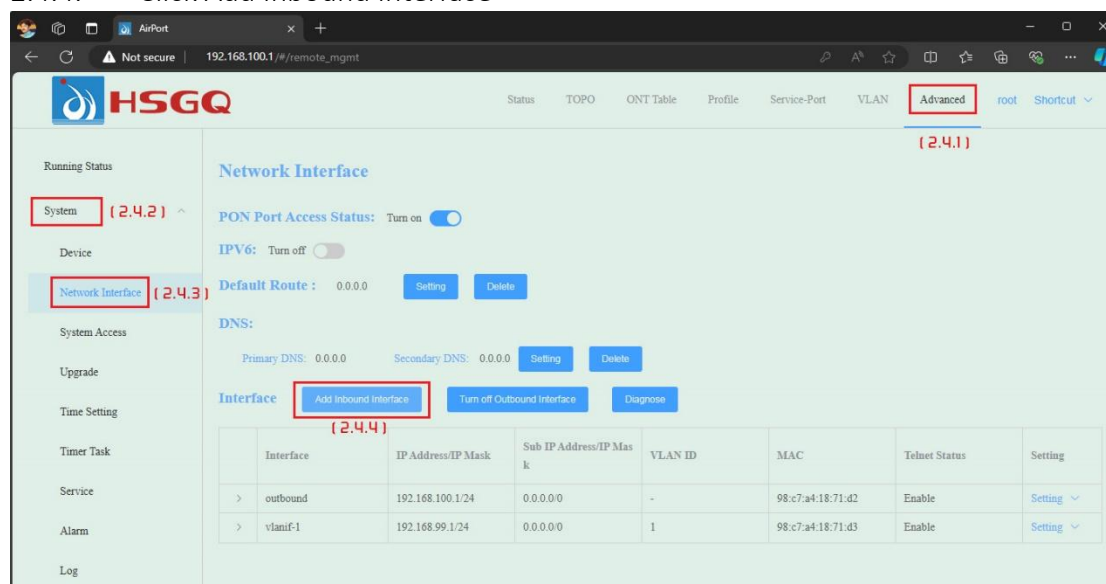
- 2.3.5. Enter VLAN ID and click Apply button

The screenshot shows the 'Set' dialog box for configuring a port. The 'Port ID' is GE04. The 'Default VLAN' field contains the value 20. The 'Priority' dropdown is set to 0. The 'Apply' button is highlighted.



2.4. Add Inbound Interface

- 2.4.1. Click Advanced in the top menu bar
- 2.4.2. Click system in the side menu bar
- 2.4.3. Click Network Interface in the sub menu
- 2.4.4. Click Add Inbound Interface



- 2.4.5. Enter IP Address, IP Mask and VLAN ID according to your router's network and then click the Apply button.

Add

Type

IPv4

IP Address

10.20.20.183

IP Mask

255.255.255.0

VLAN ID

20

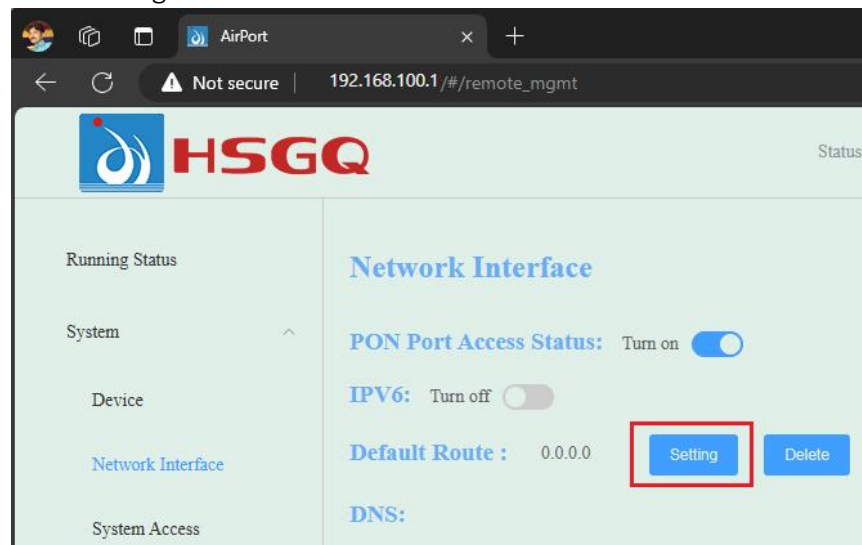
Cancel

Apply

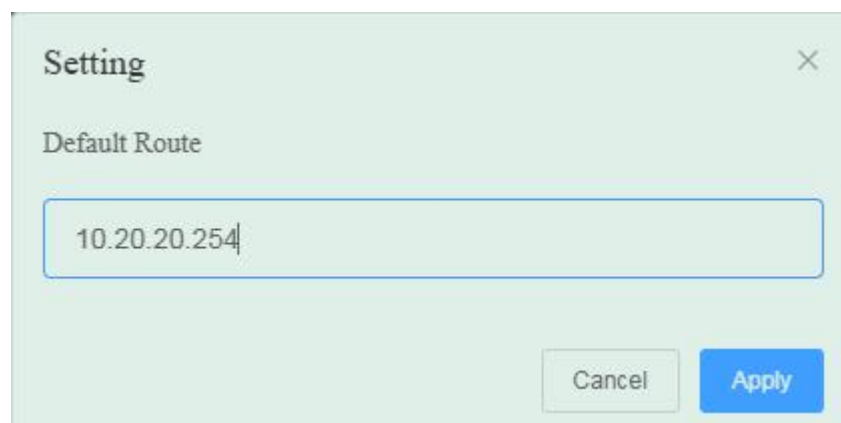


2.5. Configure Default Route

2.5.1. Click Setting in front of Default Route



2.5.2. Enter your Router IP Address and click the Apply button





2.6. Configure DNS

2.6.1. Click DNS Setting Button

Running Status

System

Device

Network Interface

System Access

Upgrade

Time Setting

Timer Task

Service

Alarm

Log

Network Interface

PON Port Access Status: Turn on ☒

IPv6: Turn off ☐

Default Route : 10.20.20.254 [Setting](#) [Delete](#)

DNS:

Primary DNS: 0.0.0.0 Secondary DNS: 0.0.0.0 [Setting](#) [Delete](#)

Interface [Add Inbound Interface](#) [Turn off Outbound Interface](#) [Diagnose](#)

	Interface	IP Address/IP Mask	Sub IP Address/IP Mask	VLAN
>	outbound	192.168.100.1/24	0.0.0.0/0	-
>	vlanif-1	192.168.99.1/24	0.0.0.0/0	1
>	vlanif-20	10.20.20.183/24	0.0.0.0/0	20

2.6.2. Enter Primary DNS, Secondary DNS and click Apply Button

Setting

×

Primary DNS

10.20.20.254

Secondary DNS

8.8.4.4

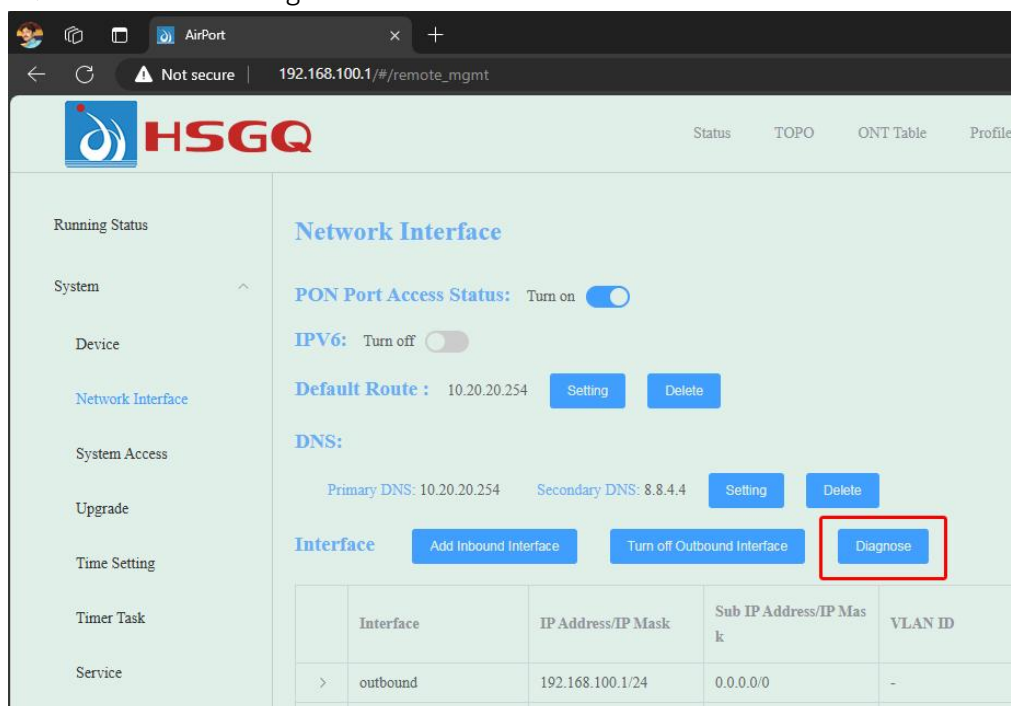
Cancel

Apply

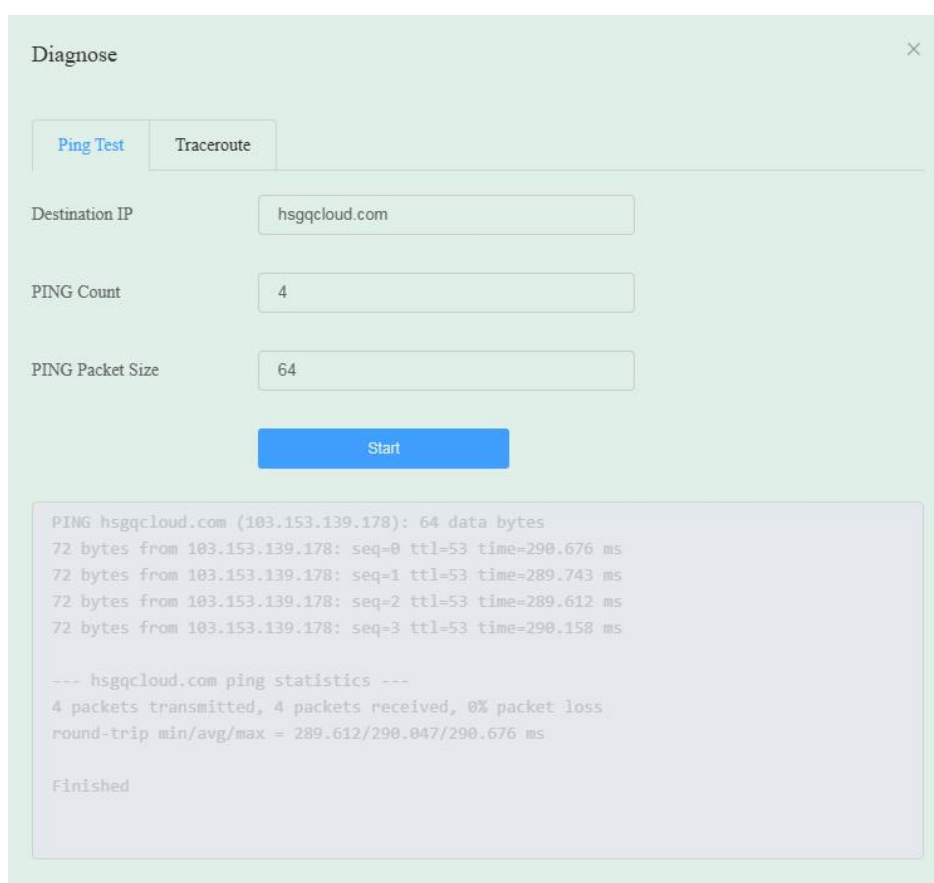


2.7. Test the internet connectivity with hsgqcloud.com

2.7.1. Click the Diagnose Button



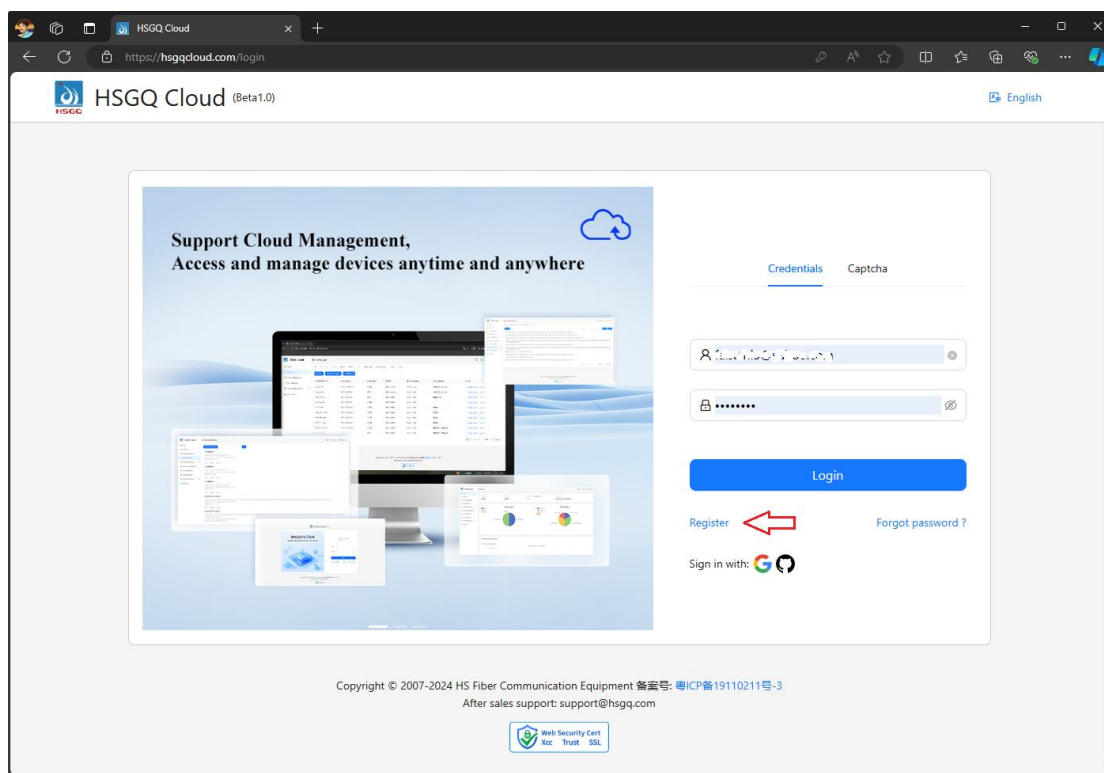
2.7.2. Type “hsgqcloud.com” for ping test in the Destination IP and click Start Button. Successful result may look like the picture below.





3. Register to HSGQ Cloud

3.1. Open hsgqcloud.com in your web browser and click the [Register](#) link





3.2. Enter your details to Register yourself.

- 3.2.1. Enter your name to display.
- 3.2.2. Enter your complex password.
- 3.2.3. Reenter to confirm your password.
- 3.2.4. Select your country from the list.
- 3.2.5. Be sure to enter your correct Email, Captcha Code only will be sent to your given email.

The screenshot displays the registration interface for HSGQ Cloud (Beta1.0). The form includes the following fields and elements:

- Nick Name:** A text input field containing 'Faisal'.
- Password:** A text input field containing 'fS@121455' with a toggle icon.
- Confirm Password:** A text input field containing 'fS@121455' with a toggle icon.
- Nation:** A dropdown menu showing 'Pakistan'.
- Phone/Email:** A text input field containing 'faisalhi5@gmail.com'.
- Invitation Code:** A text input field with the placeholder 'Please enter the invitation code'.
- Company:** A text input field containing 'Company'.
- Address:** A text input field containing 'Address'.
- Captcha:** A text input field containing 'Captcha' and a 'Get Captcha' button.
- Register Button:** A prominent blue button labeled 'Register'.
- Footer:** Contains copyright text 'Copyright © 2007-2024 HS Fiber Communication Equipment 备案号: 粤ICP备19110211号-3', contact information 'After sales support: support@hsgq.com', and a 'Web Security Cert' logo.



- 3.2.6. Ask your seller/retailer in your country/area for invitation code.
- 3.2.7. Enter your company name.
- 3.2.8. Enter your Company Address.
- 3.2.9. Click Get Captcha Button to receive your Captcha code in your given email address.

HSGQ Cloud (Beta1.0) English

* Nick Name: Faisal

* Password: fS@121455

* Confirm Password: fS@121455

* Nation: Pakistan

* Phone/Email: faisalhi5@gmail.com

* Invitation Code: 6f87735d7968b5eb

Company: Optik Broadband

Address: 1403-D, G.M.Abad, Faisalabad.

* Captcha: Captcha [Get Captcha](#)

[Register](#)

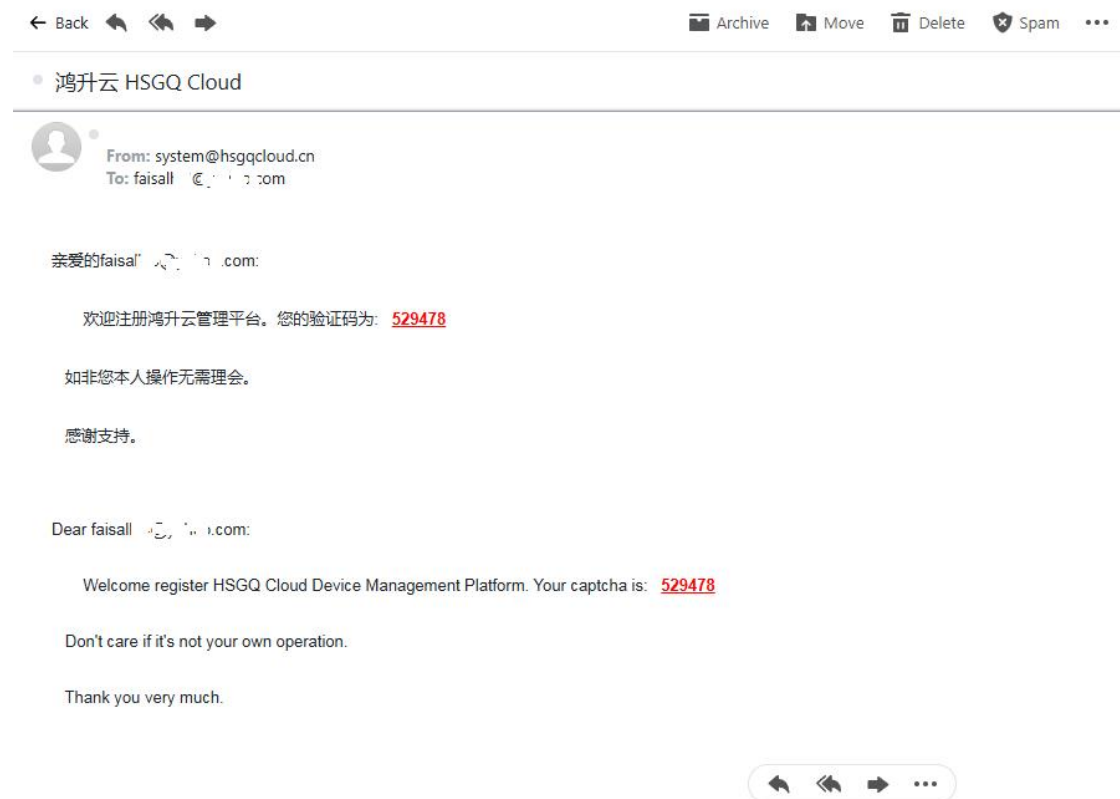
[Already have an account ?](#)

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After sales support: support@hsgq.com

served 734day
laved 727day



3.2.10. Check your inbox for email sent by HSGQ Cloud including Captcha Code.





3.2.11. Enter Captcha Code in the box and click Register Button

HSGQ Cloud (Beta1.0) English

* Nick Name: Faisal

* Password: fs@121455

* Confirm Password: fs@121455

* Nation: Pakistan

* Phone/Email: faisalhi5@gmail.com

* Invitation Code: 6f87735d7968b5eb

Company: Optik Broadband

Address: 1403-D, G.M.Abad, Faisalabad.

* Captcha: 529478 Get Captcha

Register

[Already have an account ?](#)

Copyright © 2007-2024 HS Fiber Communication Equipment 备案号: 粤ICP备19110211号-3
After sales support: support@hsgq.com

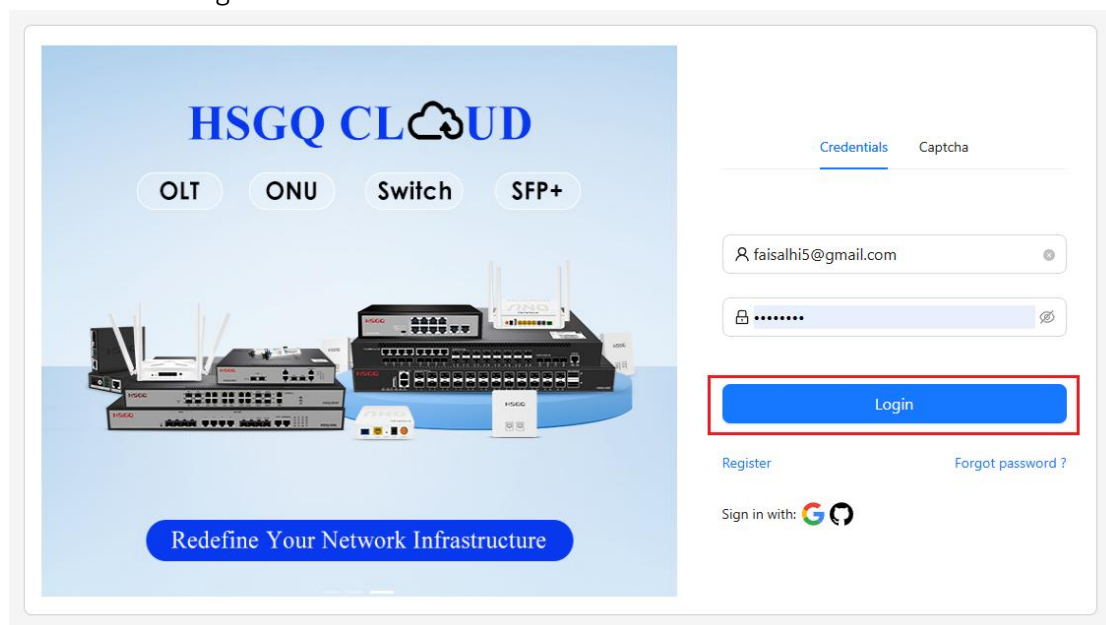
served 734day
love 727day

3.2.12. System will redirect you to the login page after successful registration.



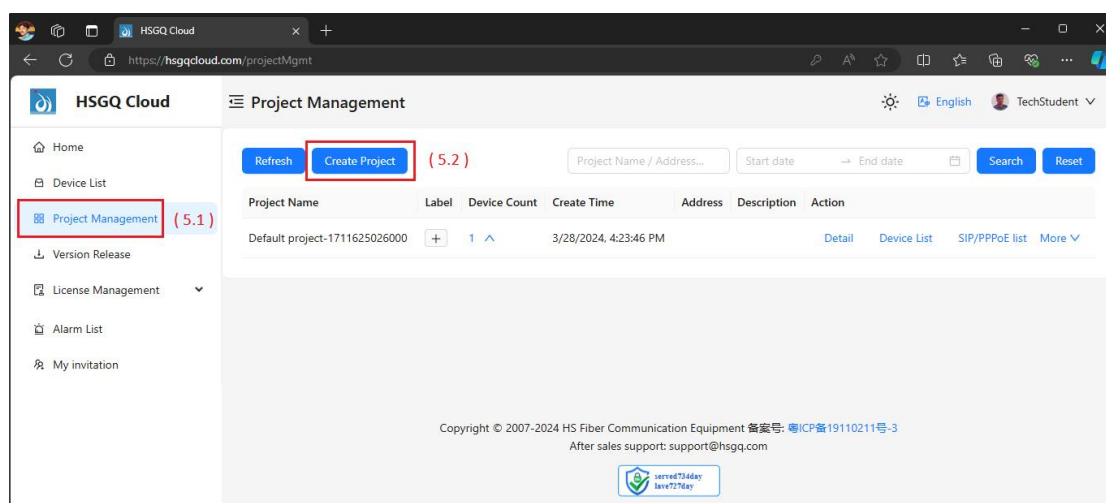
4. Login to HSGQ Cloud

- 4.1. Enter your registered email
- 4.2. Enter your password
- 4.3. Click the Login Button



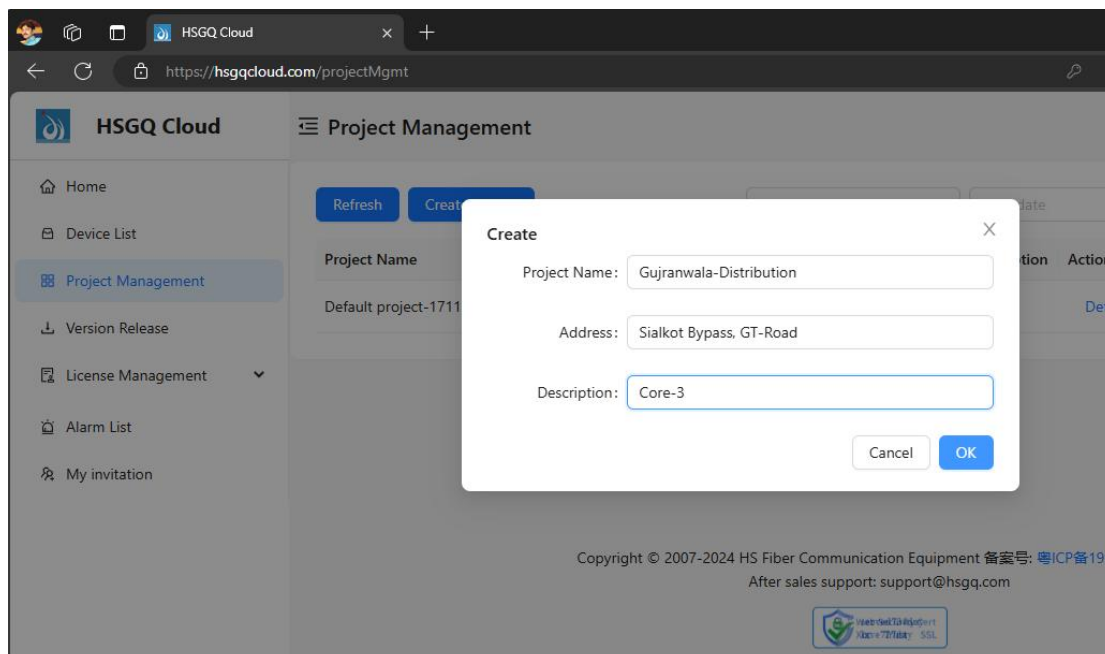
5. Create New Project

- 5.1. Click the Project Management in side menu bar.
- 5.2. Click the Create Project Button.

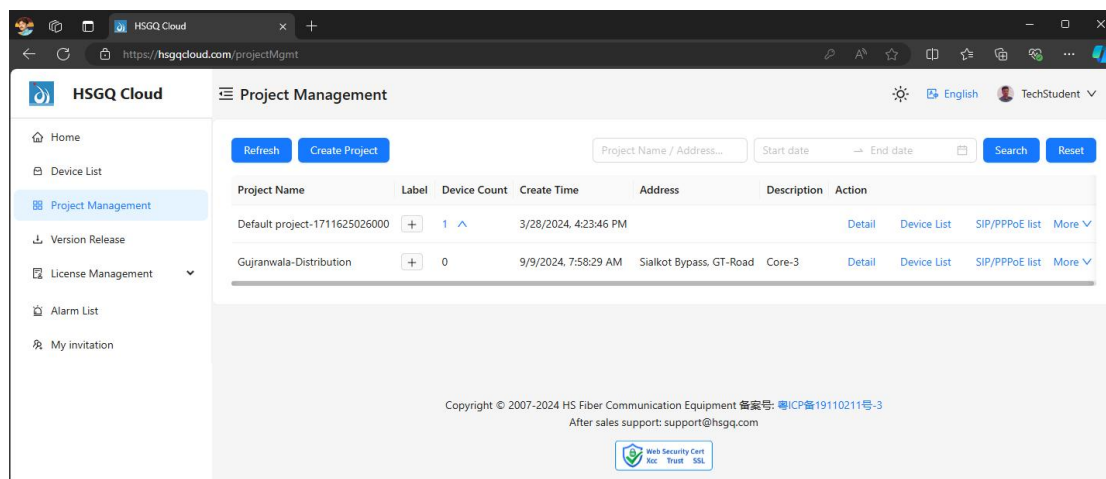




5.3. Enter Project Details and click OK.



5.4. Successful Project Creation



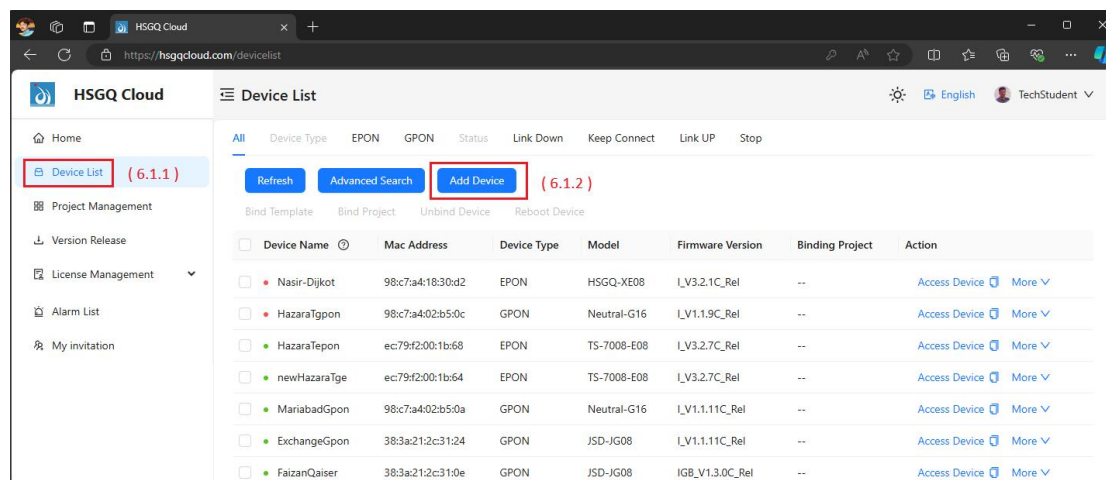


6. Add New Device

6.1. Device List

6.1.1. Click Device List in the side menu bar

6.1.2. Click Add Device button

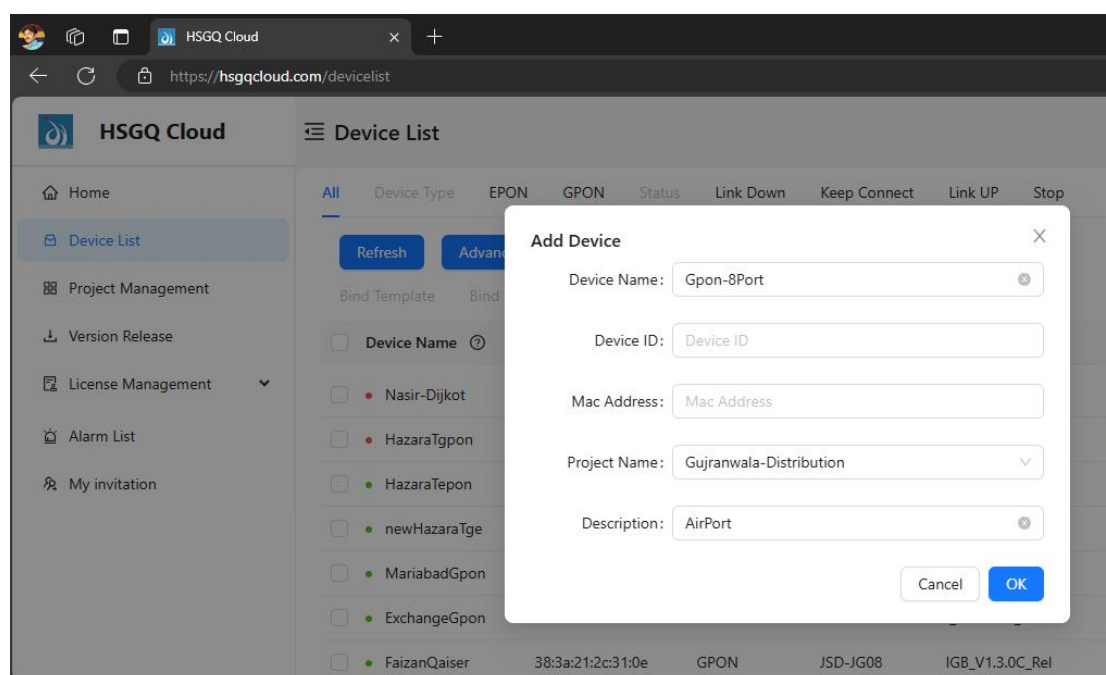


6.2. Add Device Details

6.2.1. Enter device name (whatever can be remembered)

6.2.2. Select project from the Project List

6.2.3. Enter device description (any)





6.3. Add Device Details collected from device

6.3.1. Enter Device ID

The screenshot shows the HSGQ OLT web interface. On the left is a navigation menu with options like Running Status, System, PON Management, ONT Device, Port Management, MAC Management, and Protocol. The main area displays device information including Build Time (2024/06/07 08:25:49), Current Time (2024-9-9 08:51:27), Running Time (0Day 4Hour 52Min 29Sec), Panel temperature (35.00 °C), Main chip temperature (40.00 °C), Remaining validity period (0), and Valid period (Forever). On the right, there are Fan Speed controls for Fan1, Fan2, and Fan3, each with a slider. Below these is a Cloud Management section with a red box highlighting the Device ID: dev1871d201030113. A tip below the Device ID states: 'Tips: Before open the cloud management, please keep device access internet. Before open the cloud management, please keep device access internet https://hsgqcloud.com'.

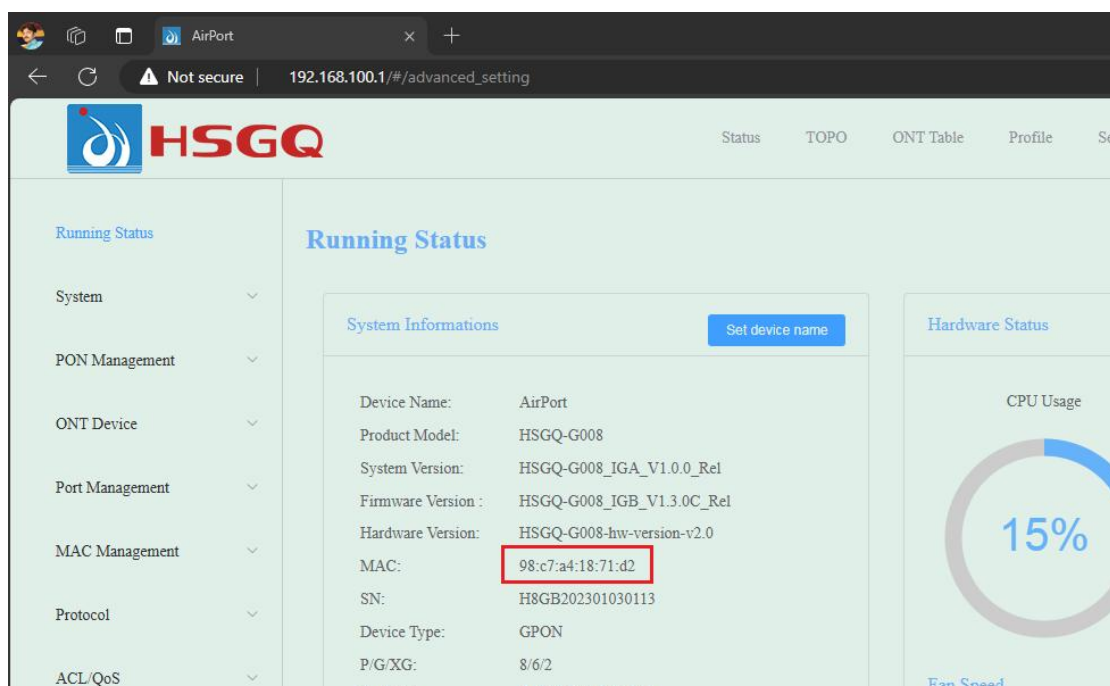
Copy device id from the OLT web page.

The screenshot shows the HSGQ Cloud web interface. The 'Device List' tab is active, displaying a table of devices. A 'Add Device' dialog box is open, showing fields for Device Name (Gpon-8Port), Device ID (dev1871d201030113, highlighted with a red box), Mac Address (Mac Address), Project Name (Gujranwala-Distribution), and Description (AirPort). The dialog box has 'Cancel' and 'OK' buttons at the bottom right.

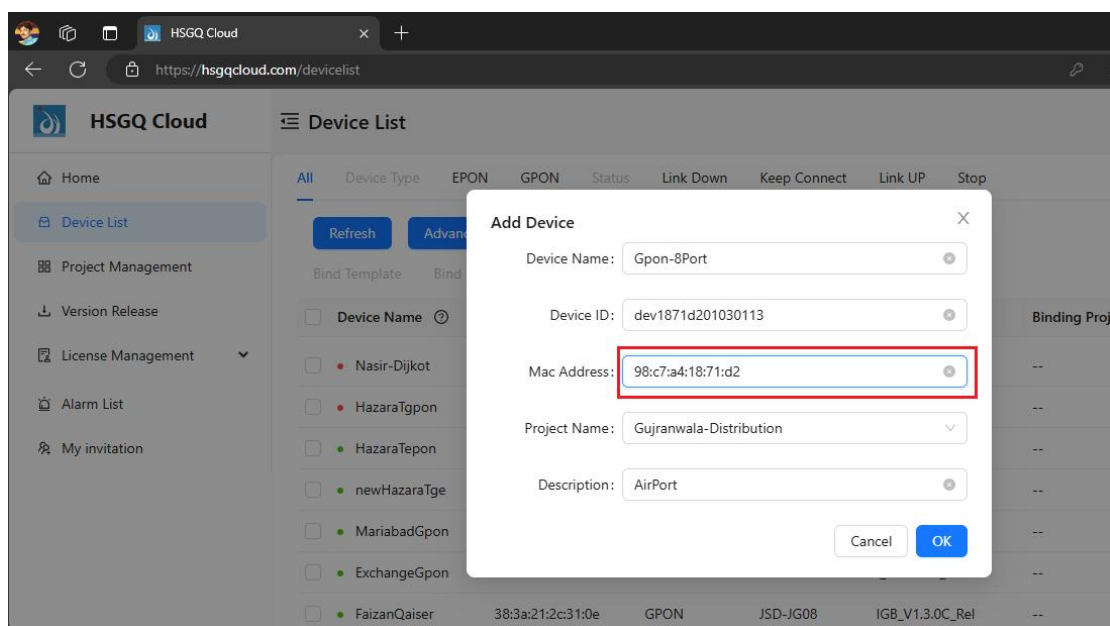
Enter Device ID copied from the OLT Web Page.



6.3.2. Enter MAC Address



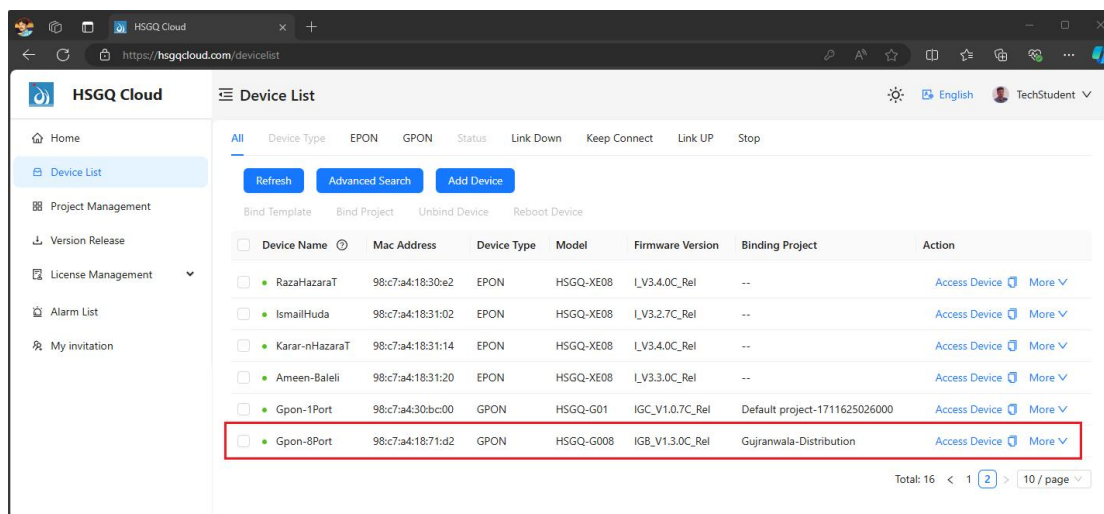
Copy MAC Address from the OLT web page.



Enter MAC Address copied from the OLT Web Page.

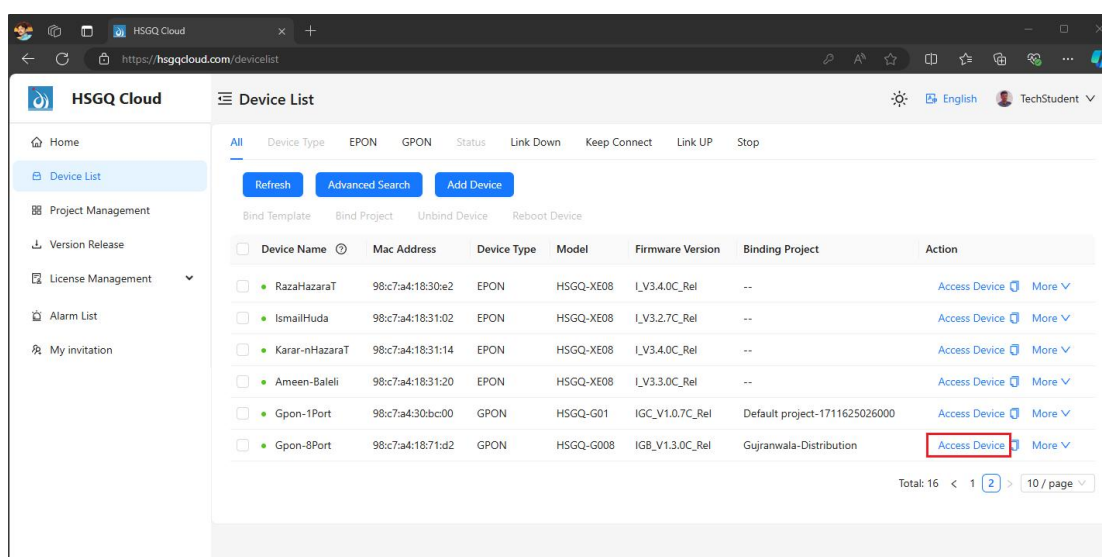


6.3.3. Click Ok to confirm, new device entry will look like picture below



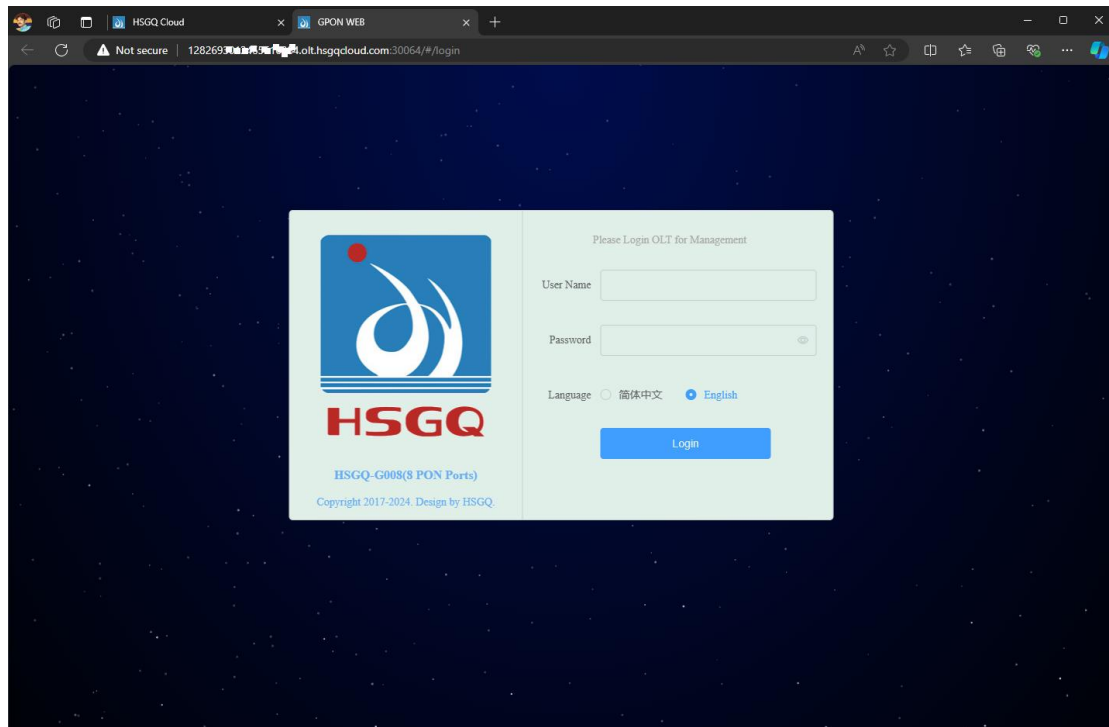
7. Access Your Device

7.1. Click the Access device link.





Device web page will show in new tab of your browser.



Thank You !!!