

**1-Port GPON OLT with 2-Port 10/100/1000T + 1-Port 10G
SFP+ and 1 AC + 1 DC**

GPL-1000

Quick Installation Guide

Table of Contents

1. Package Contents	3
2. Requirements	4
3. Terminal Setup	5
3.1 Logging on to the Console	6
3.2 Configuring IP Address via the Console.....	7
3.3 Storing Current Switch Configuration	8
4. Starting Web Management	9
4.1 Logging in to the GPON OLT	9
4.2 Saving Configuration via the Web.....	11
5. Recovering Back to Default Configuration.....	12
6. Customer Support	13

1. Package Contents

Thank you for purchasing PLANET 1-Port GPON OLT with 2-Port 10/100/1000T + 1-Port 10G SFP+ and 1 AC + 1 DC. GPL-1000.

"GPON OLT" mentioned in this Quick Installation Guide refers to the above model.

Open the box of the GPON OLT and carefully unpack it. The box should contain the following items:

Packaged Item	Model Name	GPL-1000
The GPON OLT x1		■
QR Code Sheetx1		■
AC Power Cord x1		■
AC-DC Power Adapter (Output: 12V DC, 2A) x1		■
Two Rack-mounting Brackets with Attachment Screws		■
Ground Cable x1		■

If any item is found missing or damaged, please contact your local reseller for replacement.

2. Requirements

- The GPON OLT provides local and remote login interface for management purposes. The following equipment is necessary for further management:
- **Workstations** running Windows 7/8/10/11, macOS 10.12 or later, Linux Kernel 2.6.18 or later, or other modern operating systems are compatible with TCP/IP Protocols.
- Workstations are installed with **Ethernet NIC** (Network Interface Card)
- **USB Connection** (Terminal)
 - The above Workstations come with **USB interface** for USB connection.
 - The above Workstations have been installed with **terminal emulator**, such as PuTTY or Tera Term.
 - **USB cable** -- One end is attached to the USB interface, while the other ends to the USB (Type-C) interface of the GPON OLT.
- **Ethernet Port Connection**
 - **Network cables** -- Use standard network (UTP) cables with RJ45 connectors.
 - The above PC is installed with **Web browser**.



Note

It is recommended to use Google Chrome, Microsoft Edge or Firefox to access the GPON OLT. If the Web interface of the GPON OLT is not accessible, please turn off the anti-virus software or firewall and then try it again.

3. Terminal Setup

To configure the system, connect a USB Type-C cable from the Workstation to the USB Type-C interface of the GPON OLT.

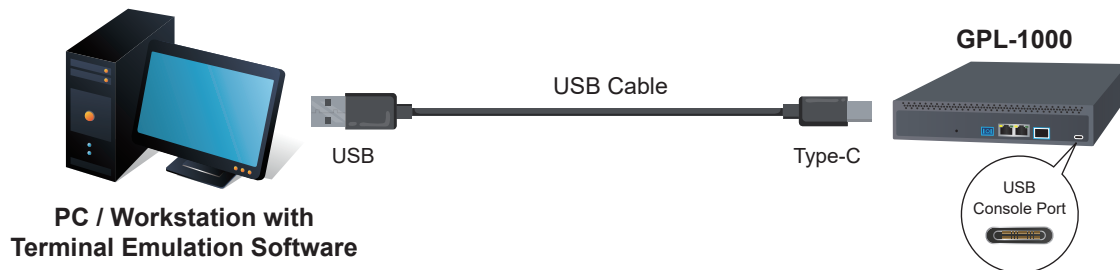


Figure 3-1: GPON OLT Console Connectivity

A terminal program is required to make the software connection to the GPON OLT.

1. Run terminal program on the OS.
2. When the following screen appears, make sure that the COM port should be configured as:
 - ◆ Baud: 115200
 - ◆ Data Bits: 8
 - ◆ Parity: None
 - ◆ Stop Bits: 1
 - ◆ Flow control: None

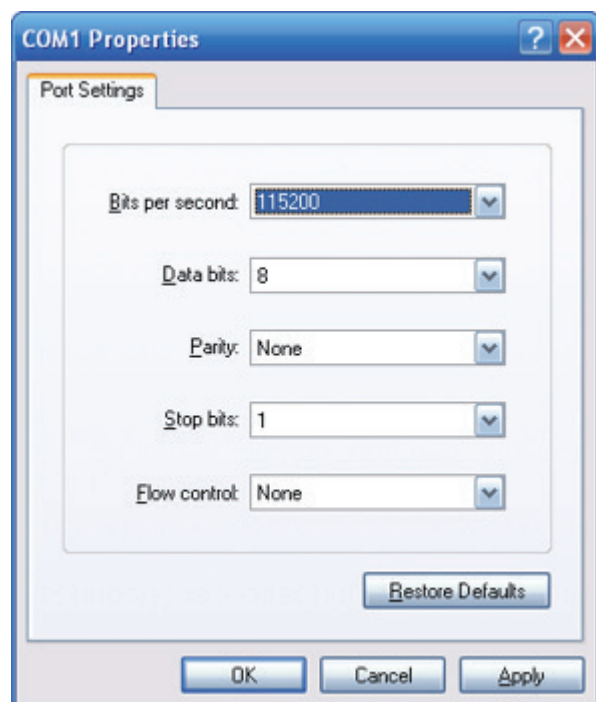


Figure 3-2: COM Port Configuration

3.1 Logging on to the Console

Once the terminal is connected to the device, power on the GPON OLT and the terminal will display “**running testing procedures**”. Then, the following message asks to log in user name and password. The factory default user name and password are shown as follows, and the login screen in Figure 3-3 appears.

Username: **admin**
Password: **Xpon@Olt9417#**

```
Hello, this is gpon olt platform (version V1.2.2).
Copyright 2020-2026,All Rights Reserved.

User Access Verification

#####
#                                     #
#           Welcome to GPON Olt Platform.           #
#                                     #
#       Press Return to connect and config this system.       #
#                                     #
#####
Login:

Login: admin
Password:

gpon-olt>
```

Figure 3-3: GPON OLT Console Login Screen



Note

1. For security reason, please change and memorize the new password after this first setup.
2. Only accept command in lowercase letter under console interface.

The user can now enter commands to manage the GPON OLT. For a detailed description of the commands, please refer to the following chapters.

3.2 Configuring IP Address via the Console

The GPON OLT is shipped with default IP address as follows:

IP Address: **192.168.0.100**
Subnet Mask: **255.255.255.0**

To check the current IP address or modify a new IP address for the GPON OLT, please use the procedures as follows:

■ Showing the current IP address

1. At the "**gpon-olt>**" prompt, enter "**enable**" then input password: Xpon@Olt9417#.

```
gpon-olt> enable
Password:

It is recommended to change your default password for this device for security and safety reasons.
1970/01/01 08:32:01   User Login                               User admin-192.168.0.187-telnet log in.
gpon-olt#
```

2. At the "**gpon-olt#**" prompt, enter "**configure terminal**" then press enter key to access the config screen.

```
gpon-olt# configure terminal
gpon-olt(config)#
```

3. At the "**gpon-olt (config)#**" prompt, enter "**show vlan**" then press enter key to show the vlan1 screen.
4. The screen displays the current IP Address information as shown in Figure 3-4.

```
gpon-olt(config)# show vlan
Vlan ID       : 1
Name          : vlan_1
IP Address    : 192.168.0.100/24
IPv6 Address  :
Link-Local address:
                fe80::5261:88ff:fe01:dad3
Mac Address   : 50:61:88:01:da:d3
Tagged Ports  :
Untagged Ports : ge0/1   ge0/2   ge0/3
gpon-olt(config)#
```

Figure 3-4: IP Information Screen

■ Configuring IP address

5. At the "**gpon-olt (config)#**" prompt, enter "**interface vlan 1**" then press enter key to access the vlan1 screen.
6. At the "**gpon-olt (interface-vlan-1)#**" prompt, enter the following command and press **<Enter>** as shown in Figure 3-5.

ip address 192.168.1.100 255.255.255.0

The previous command would apply the following settings for the Switch.

IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0

```
gpon-olt(interface-vlan-1)# ip address 192.168.1.100 255.255.255.0
```

Figure 3-5: IP Address Screen

7. Repeat Step 1-3 to check if the IP address has changed.

If the IP is successfully configured, the GPON OLT will apply the new IP address setting immediately. You can access the Web interface of the GPON OLT through the new IP address.

3.3 Storing Current Switch Configuration

In the GPON OLT, the running configuration file is stored in the RAM. In the current version, the running configuration sequence of running-config can be saved from the RAM to FLASH by **writing** the command, so that the running configuration sequence becomes the startup configuration file, which is the configuration saved.

1. At the "**gpon-olt (config)**" prompt, enter "**write memory**" as shown in Figure 3-6.

```
gpon-olt(config)# write memory
Building Configuration...
[OK]
save config by cli [admin].
gpon-olt(config)#
1970/01/01 09:03:58    System Config Save                save Configuration
```

Figure 3-6: Storing Current Configuration Command Screen



Note

If you are not familiar with console command or the related parameter, enter "?" anytime in console to get the help description.

4. Starting Web Management

The following shows how to start up the **Web Management** of the GPON OLT

Note the GPON OLT is configured through an Ethernet connection. Please make sure the manager PC must be set to the same **IP subnet address**.

For example, the default IP address of the GPON OLT is **192.168.0.100**, then the manager PC should be set to **192.168.0.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

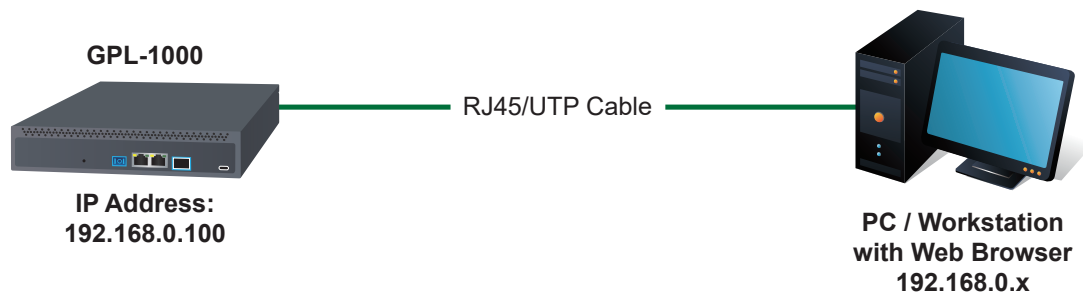


Figure 4-1: IP Management Diagram

4.1 Logging in to the GPON OLT

1. Use Chrome 98.0.xxx or above Web browser and enter IP address **<https://192.168.0.100>** to access the Web interface.
2. When the following dialog box appears, please enter the default user name and password "**admin**". The login screen in Figure 4-2 appears.

Default IP address: **192.168.0.100**
Default Username: **admin**
Default Password: **Xpon@Olt9417#**

The screenshot shows a web login interface. At the top is the title 'Login'. Below it are three input fields: 'Username' with the placeholder 'Enter your username', 'Password' with the placeholder 'Enter your password', and 'Verification Code' with the placeholder 'Please input captcha'. A blue 'Login' button is positioned below these fields. To the right of the verification code field is a Google reCAPTCHA logo.

Figure 4-2: Login Screen

3. After entering the password, the main screen appears as Figure 4-3 shows.

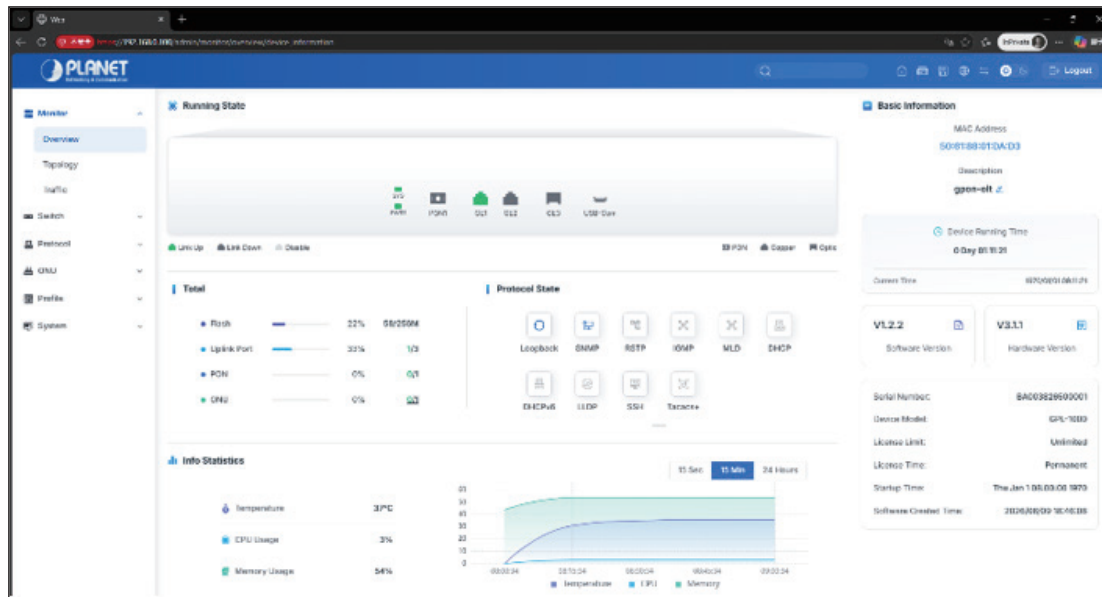


Figure 4-3: Web Main Screen of GPON OLT

The Menu on the left of the Web page lets you access all the commands and statistics the GPON OLT provides. The Menu always contains one or more buttons, such as **"Monitor"**, **"Switch"**, **"Protocol"**, **"ONU"**, **"Profile"** and **"System"**.

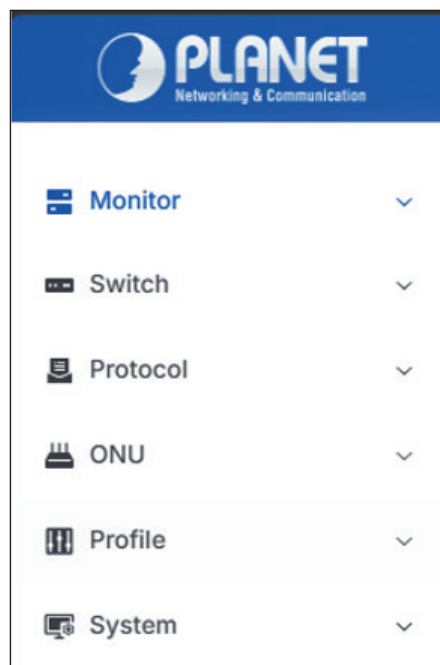


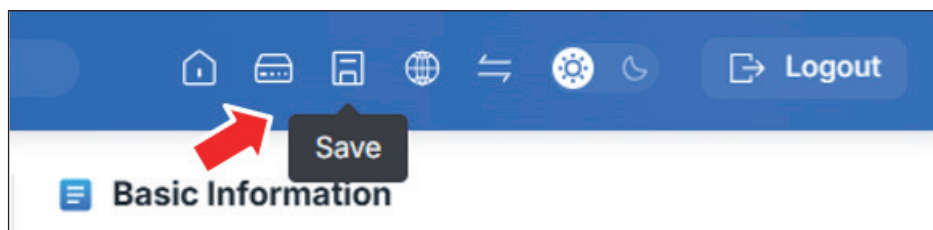
Figure 4-4: Switch Menu

Now, you can use the Web management interface to continue the GPON OLT management. Please refer to the user's manual for more.

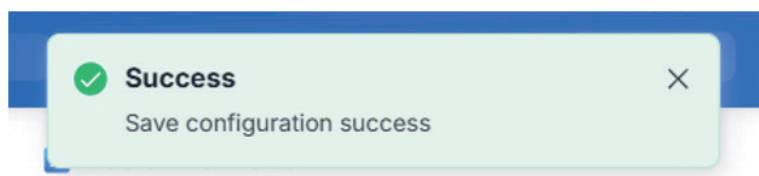
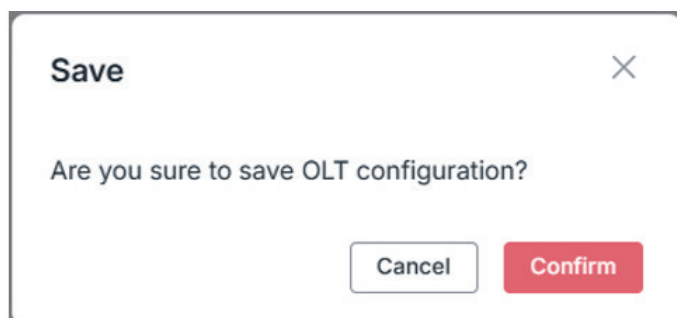
4.2 Saving Configuration via the Web

To save all applied changes and set the current configuration as a startup configuration, the startup-configuration file will be loaded automatically across a system reboot.

1. Click **"Save > Save Configurations to FLASH"** to log in to the "Configuration Manager" page.



2. Press the **"Confirm"** button to save running configuration to start up configuration.



5. Recovering Back to Default Configuration

■ IP address has been changed or admin password has been forgotten –

To reset the IP address to the default IP Address “**192.168.0.100**” and the user name password to factory default mode (default password is Xpon@Olt9417#), press the hardware-based **reset button** on the front panel for about **10 seconds**. After the device is rebooted, you can log in the management Web interface within the same subnet of 192.168.0.xx.

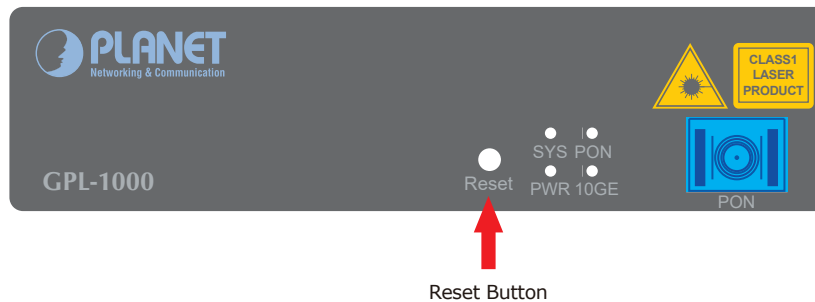


Figure 5-1: GPL-1000 Reset Button

6. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource and User's Manual on PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQs:

<https://www.planet.com.tw/en/support/faq>

Support team mail address:

support@planet.com.tw

GPL-1000 User's Manual:

<https://www.planet.com.tw/en/support/download.php?&method=keyword&keyword=GPL-1000&view=3#list>



(Please select your switch model name from Product Model drop-down menu)

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