FiberHome

HG6145F

GPON Optical Network Unit

Code:MN000004972A   Version:A

Quick Start

1 Safety Precautions

To operate the equipment safely and correctly, users should read the following precautions carefully before operating the equipment, and observe strictly during operations.

Installation and usage

- Install the equipment in a well ventilated environment without high temperatures or direct sunlight to protect the equipment and its components from overheating, which can result in damage.
- Avoid moisture, dampness and water damage. Equipment exposed to water cannot work normally and can be extremely hazardous due to shorting.
- Do not lay this equipment on an unsteady base. If you want to place the equipment at high places or hang it on the wall, please make sure the equipment is firmly secured. Falling down from high places would damage the equipment and its accessories, and warranty will be void.
- Do not lay a heavy object on the equipment, and avoid violent collision.
- Use the power supply adapter provided in the package only. Using other adapters may cause equipment damage or operation failures.
- The electrical load capacity of the socket and cables should meet the equipment's requirement. Power socket overload, broken cables or broken plugs may cause electric shock or fire. Regular check-ups on power supply wires and cables are essential. If any appears damaged, replace it at once.
- Power off the equipment in the event of lightning storms. Disconnect all cables connected to the equipment such as power cable, network cable and telephone line to avoid equipment damages caused by lightning stroke.
- If the equipment is not used for a long period, please shut off the power supply and unplug the power cable.
- Do not wash the equipment with water. Before cleaning the equipment case, please shut off the power supply and unplug the power cable.
- Do not touch the wires and cables with a wet hand.
- Do not use benzene o ethyl alcohol, or gasoline to clean the equipment.

Services

The warranty is void if the product is opened, misused, damaged or modified in any way. Contact you dealer without delay, if

- the power cable or the power plug appears damaged;
- the product has been exposed to rain or moisture;
- the product has fallen from high places.
- you fail to use the product normally in strict accordance with the user manual supplied.

> **Note:**
> The figures in this manual are only for reference. If there is any discrepancy between the manual and the final product, the final product shall prevail.

2 Legal Notice

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3 Product Overview

HG6145F

4 GE interfaces
1 Phone interface
2 USB interfaces
Wi-Fi interfaces (2.4GHz, 5GHz)

External antenna

4 Packing List

The following items are included in the product package.

Items	Quantity
GPON Terminal (HG6145F)	1
Power Adapter	1
Ethernet Cable	1
Phone Cable	1
Quick Start	1
Patch Cord	1

> **Note:**
> If you find anything missing or damaged, contact your service provider.

5 Technical Specification

Types	Items	Descriptions
Mechanical parameter	Dimension	41mm×201mm×149mm(H×W×D)
	Weight	339g approximately
Power supply parameter	DC	DC 12V/1.5A
Power consumption parameter	Power consumption	<17W
Environmental parameter	Operating temperature	-5°C to 45°C
	Storage temperature	-20°C to 70°C
	Environmental humidity	10% to 90%, non-condensing

6 Hardware Installation

Follow the steps and diagrams below to install the ONU device.

Step 1 Connect the **PON** interface and the optical interface on the wall with the optical fiber.

Step 2 Connect the **LAN** interface and the network interface of a computer through an ethernet cable.

Step 3 Connect the **Phone** interface with a telephone through a phone cable.

Step 4 Connect the **Power** interface with the power adapter, and then plug to the power socket.

Step 5 Press the **ON/OFF** button to turn on the device.

Bottom panel
9. Fiber interface

Fiber interface

Rear panel
1. Phone interface
2. Network interfaces
3. USB interfaces
4. Power interface
5. Power switch

Phone   PC   PC   Power adapter

Side panel
6. Reset key
7. Wireless switch
8. WPS switch
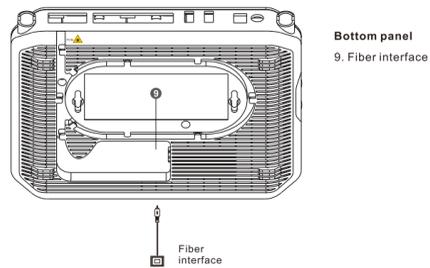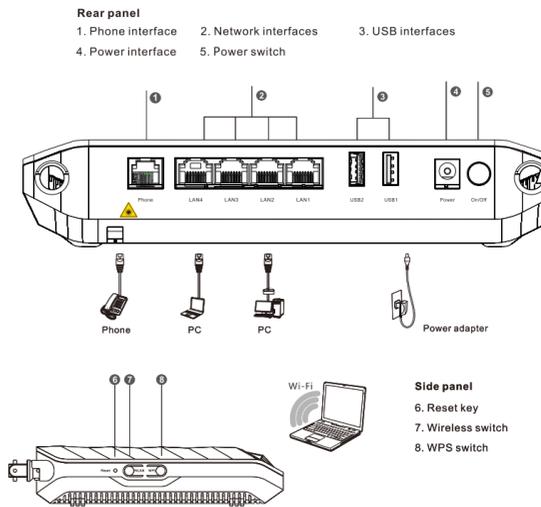
Wi-Fi

The follow table describes the interface of the device.

Interface / Button	Description
WPS	The WPS button to enable or disable the 2.4GHz/5GHz Wi-Fi Protected Setup function.
WLAN	The WLAN button to enable or disable the 2.4GHz/5GHz WLAN function.
Phone1	Telephone RJ-11 interface connecting with the subscriber telephone.
LAN1 to LAN4	Ethernet RJ-45 interfaces connecting to the computers, routers, etc.
USB1,USB2	The USB interfaces connecting to the USB storage devices.
ON/OFF	The power switch to turn on or turn off the power.
Power	The power interface connecting to the DC power adapter or the storage battery.
Reset	Press and hold the button for 5 seconds or longer to restore to factory default.
PON	The fiber interface connecting to the optical fiber.

7 Web Configuration

Configuring IP Address of Network Card

Configure TCP/IP properties of network card to Obtain an IP address automatically from ONT, or set the IP address of the computer with the same network mask of the ONT.
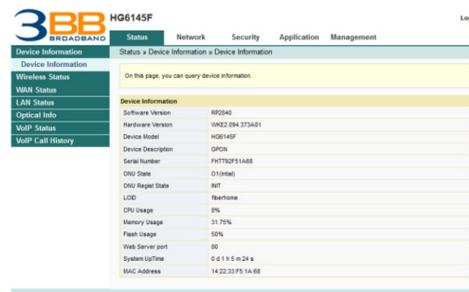
Internet Settings (Internet can use after Apply)

The following is the detailed description of internet settings for the first time.

Step 1   Open the Internet Explorer (IE) browser and enter **http://192.168.1.1/3bb**

Step 2   In the Quick Configuration page that is displayed, enter the username, password and validate code for surf internet.

After finished this step, please click "Apply" the internet settings and internet will be ready for use.

2.4GHz and 5GHz Wireless Settings

Step 1   Open the Internet Explorer (IE) browser and enter **http://192.168.1.1**

Step 2   On the Login page, enter the login username (**admin** by default), password (the last 4 digit of MAC Address on the label) and validate code. Click **Login**.

After login in to the GPON Terminal (HG6145F), you will see the following interface. You can check, configure and modify all the settings.
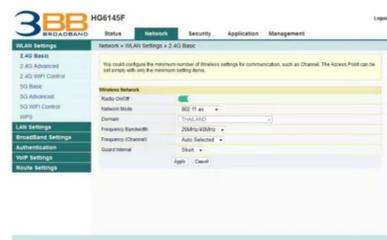

Step 3   On the navigation tree for 2.4GHz WiFi Settings, User can choose "**Network > WLAN Settings > 2.4G Basic**", Example the default config like the picture below, you may choose the picture below.
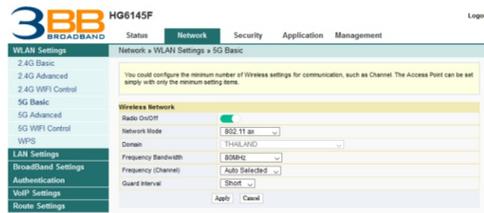

After finishing, please click "**Apply**" button to apply the WLAN settings.

Step 4   The WPA Preshared Key (WiFi Password) is printed on the device's rear panel, please use default password 1111100000, you may modify them in "**Network > WLAN Settings > 2.4G Advanced > Passphrase**"

After password modified, please click "**Apply**" button to apply the modification.

Step 5   On the navigation tree for 5GHz WiFi Settings, User can choose "**Network > WLAN Settings > 5G Basic**", Example the default config like the picture below, you may choose the wireless network to same as the picture below.
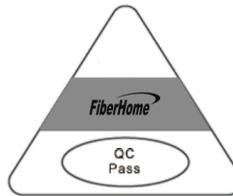

After finishing, please click "**Apply**" button to apply the WLAN settings.

Step 6   The WPA Preshared Key (WiFi Password) is printed on the device's rear panel, please use default password 1111100000, you may modify then in "**Network > WLAN Setting > 5G Advanced > Passphrase**"

After password modified, please click "**Apply**" button to apply the modification.

QC Pass

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