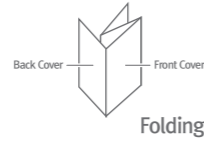


# ONT QIG print specification

Color: ■ PANTONE 286C ■ Black  
 Paper Material: White paper 150g  
 Size: 105 x 148.5 mm (per 1 page)

— Cutting line  
 — Folding line



## 4. Web Access

You can access the unit through a web browser by using the following steps.

- 1 Connect LAN port of the unit to your PC using Ethernet cable.
- 2 Configure IP assignment of your PC to DHCP (dynamic assignment). How to configure dynamic IP on your PC is as follows:

For Windows XP:

**Start > Setting > Network Connections > Local Area Connection** double click > **Internet Protocol (TCP/IP)** double click > **Obtain an IP address automatically** and **Obtain DNS server address automatically** selection > **OK**

For Windows 7:

**Start > Control Panel > View network status and tasks** under **Network and Internet** (View by: Category) > **Change adapter settings** on the left menu > **Local Area Connection** right-click > **Properties > Internet Protocol Version 4 (TCP/IPv4)** double click > > **Obtain an IP address automatically** and **Obtain DNS server address automatically** selection > **OK**

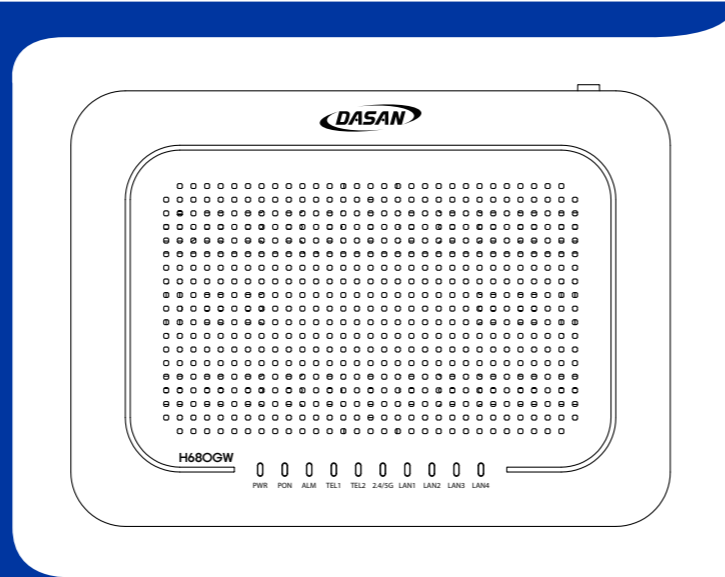
The PC will be allocated IP address automatically through the unit.

- 3 Open a web browser, and enter **http://192.168.1.1:8080** in a URL field.
- 4 Type **'user/1234'** in user name/password field, and log into the system. Initial page is displayed.

※ To change the SSID and/or password, move onto **Wireless > w10 or w1 > Security** on the web. And change them and click **Apply/Save**.

Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput and wireless coverage will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate and wireless coverage.

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## H680GW QIG (Quick Guide)

V1.1

GPON Optical Network Terminal (ONT) with VoIP & Wi-Fi Service

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DASAN Network Solutions

## 1. Caution

Please follow the instructions below to avoid physical injury. You should not install the unit during a storm. Likewise you should not connect or disconnect any line to avoid the risk of electric shock. Lay the cables so that no one can step on them or trip over them. This section lists important information that will help you to get proper use of this unit and accessories. Please read the following instructions carefully before installing and operating your unit.

### Caution & Warning

- This unit is indoor use and all the communication wirings are limited to inside of the building.
- DO NOT plug in, turn on or attempt to operate an obviously damaged unit.
- Never look directly at the fiber TX port and fiber cable ends when they are powered on.
- DO NOT use near water.
- DO NOT place near high temperature source.
- DO NOT disassemble the unit.
- DO NOT operate the unit in a location where the maximum ambient temperature exceeds 40°C.
- Open optical connections must use a protective cap under all circumstances to protect against physical damage and dirt.
- Before making connections, use isopropyl alcohol and non-fibrous cellulose to clean the faces of the connectors.
- Avoid impact stresses when handling connectors. Physical damage to the faces of optical connections impairs transmission quality (higher attenuation).
- Avoid a bend radius in excess of 30 mm for fiber optic links.
- Check the available voltage supply.
- Only use the unit in dry rooms.
- Set up the unit away from direct sunlight or other electrical equipment.
- Only connect approved accessories.
- It may only be repaired by authorized service personnel.

### Limited Warranty

- Not covered under this warranty is defect and damage resulting from product disassembly by yourself. And also, such behavior may amount to intellectual property infringement.

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## 2. Introduction

### 2.1 Package Contents

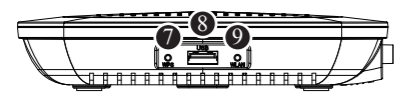
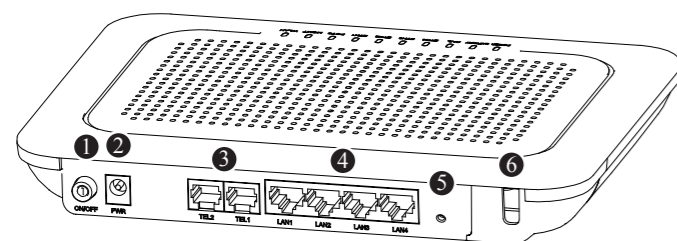
- H680GW
- Power Adapter
- RJ45 UTP Cable (CAT5e)
- QIG (Quick Guide)

### 2.2 Specification

Item	Specification
SDRAM	256MB
Flash Memory	128MB
Uplink Interface	1 GPON port (SC/APC)
Service Interface	4 10/100/1000Base-T port (RJ45)
VoIP Interface	2 FXS ports (RJ11)
Wireless	Internal antenna IEEE 802.11n/ac compliant Frequency: 2.4~2.4835GHz & 5GHz Two Transmit and Two Receive path (2T2R) & Three Transmit and Three Receive path (3T3R)
USB	USB Host 2.0, Data Communication, Max. 5V/500mA
LED	PWR, PON, ALM, TEL1~2, 2.4/5G, LAN1~4
Power Adapter	Output: 12VDC/1.5A
Operating Temp.	0 to +40°C
Operating Humidity	5 to 90% (non-condensing)
Dimensions (W x D x H)	220 x 160 x 34 mm
Button	ON/OFF power, WLAN, WPS, RESET

- 2 -

## 2.3 Rear View



Item	Description
① ON/OFF	Turn on/off the unit.
② Power Port	Connect Power adapter.
③ TEL 1-2	Connect VoIP telephone.
④ LAN 1-4	Connect PC or LAN.
⑤ RESET	Reboot the unit.
⑥ OPTIC LINE	Connect optical network.
⑦ WPS	Enable WPS process.
⑧ USB	Connect an external USB device.
⑨ WLAN	Enable Wi-Fi function.

- 3 -

## 2.4 Front View (LEDs)



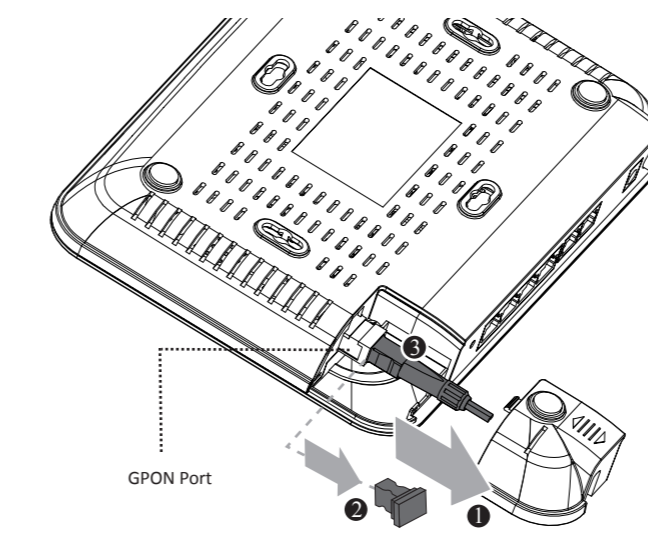
Label	Light	Status	Description
PWR	Green	On	The system is turned on.
		Off	The system is turned off.
PON	Green	On	No optic signal. And the unit has not been registered.
		On	Optic signal normal. Normally registered.
		Blink	Firmware being downloaded. DO NOT turn off the unit.
ALM	Orange	On	No optic signal after registered normally.
		Blink	The unit has not been registered.
		On	No optical signal, firmware update fail or other faults.
TEL1-2	Red	Blink	Error rate high. Required to check optic cable routing or vending.
		Blink	Loopback test being performed.
		Off	ONT normally operating.
2.4/5G	Blue	On	Hook off.
		Off	Hook on.
		On	The 2.4G Wi-Fi function enabled.
		On	The 5G Wi-Fi function enabled.
LAN1-4	Green	On	The 2.4G/5G Wi-Fi function enabled.
		Off	Wi-Fi function disabled.

- 4 -

LAN 1~4	Light	Description
Green	On	The 1G port link is up.
	Blink	The 1G transmit or receive activity is present on the service port.
Orange	On	The 10/100M port link is up.
	Blink	The 10/100M transmit or receive activity is present on the service port.
Off	Link is down.	

## 3. Installation

- 1 Pull the optic cover out of the body.
- 2 Remove the protective cap of GPON port.
- 3 Connect an SC/APC connector optic cable to the port.

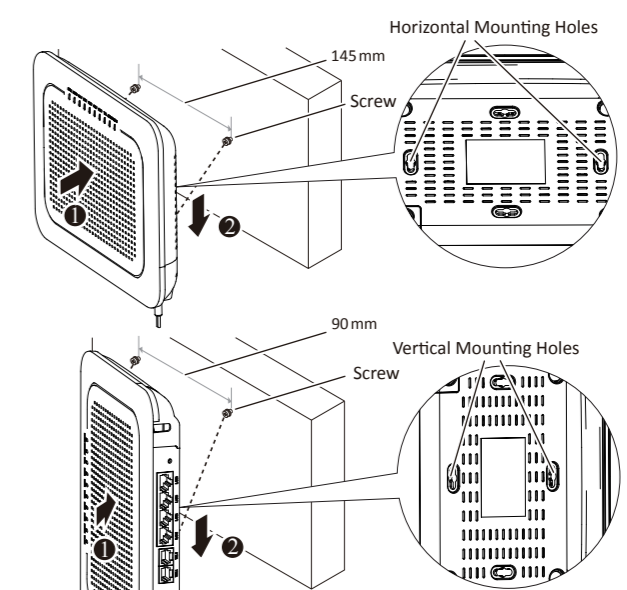


- 5 -

- 4 Attach the optic cover to the unit.
- 5 Connect a power adapter from power port to a live AC outlet.
- 6 Connect a telco cable from TEL port to VoIP phone.
- 7 Connect the Ethernet cable from LAN port to PC.
- 8 Turn on the unit by pushing the power button.
- 9 Push WLAN button to enable Wi-Fi.

### Mounting on a wall

If necessary, you may have your ONT mounted on a wall using vertical & horizontal mounting holes.



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