

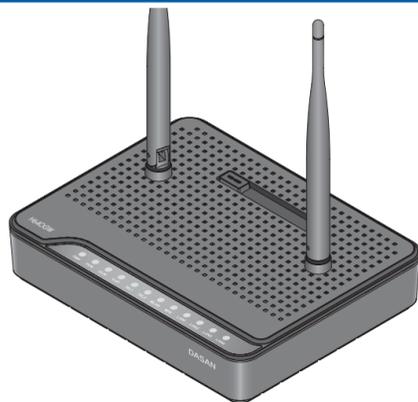
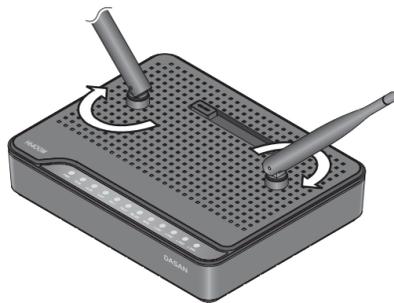
#### 4. Initial Web Access

You can access H640GW through a web browser by using the **initial LAN IP** at first. The detail procedure is as follows:

- ① Connect **LAN1** port of H640GW to your PC using Ethernet cable.
- ② Configure an IP address of your PC to **192.168.1.1~254** (except for 192.168.1.100).
- ③ Open a web browser, and enter **http://192.168.1.100:8080** in a URL field.
- ④ Type **"user/user"** in user name/password field, and log into the system. Initial page is displayed.

##### TIP for Improvement of Wireless Signal Strength

It is recommended to make antennas oblique outside the body by tilting and rotating them to improve wireless signal strength as like the figure below.



## H640GW QIG (Quick Guide)

V2

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

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#### 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 104°F (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 1.18 in (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.

#### 2. Introduction

##### 2.1 Package Contents

- H640GW
- RJ45 UTP Cable
- Power Adapter
- QIG (Quick Guide)

##### 2.2 Specification

Item	Specification
System Memory	128MB DDR3
Flash Memory	128MB Nand Flash
Uplink Interface	1 GPON port (SC/APC)
Service Interface	4 10/100/1000Base-T ports (RJ45)
VoIP Interface	2 FXS ports (RJ11)
Wireless	IEEE 802.11b/g/n compliant Bandwidth: 2.4GHz Two Transmit and Two Receive path (2T2R) Max. data rate: 54Mbps in 802.11g 300Mbps in 802.11n Security: WEP, WPA-PSK (TKIP) & WPA2-PSK (AES)
LED	PWR, PON, ALM, VoIP, TEL1~2, WLAN, WPS*, LAN1~4
Power	AC/DC Adapter: 12VDC/1.5A
Operating Temp.	32 to 104°F (0 to 40°C)
Humidity	5 to 90% (non-condensing)
Dimensions (W x D x H)	7.48 x 5.90 x 2.44 in (190 x 150 x 62 mm) (including folded antenna)
Button	On/Off power, WLAN, WPS*, RESET

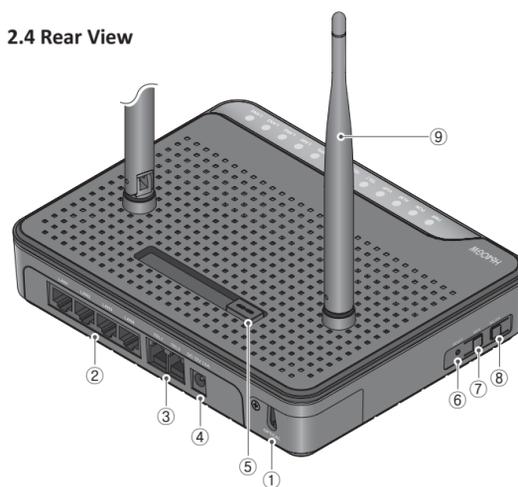
\* Wi-Fi Protected Setup, a standard that attempts to automate secure wireless network set up and connection

#### 2.3 Front View (LEDs)



Label	Light	Status	Description
PWR	Green	On	The system is turned on.
		Off	The system is turned off.
PON	Green	On	Register OK. The GPON port link is up.
		Off	Not registered. The GPON port link is down.
ALM	Red	On	No optical signal
		Off	Optical signal detected
VoIP	Green	On	Register OK
		Off	Not registered
TEL 1~2	Green	On	Off-hook
		Off	On-hook
WLAN	Green	On	Wireless function enabled
		Off	Wireless function disabled
WPS	Green	Blink	In progress
		On	Success (for 5 seconds)
		Off	Disabled or process finished
LAN 1~4 (LNK/ACT)	Green	On	The 1G port link is up.
		Blink	The 1G transmit or receive activity is present on the service port.
	Orange	On	The 100M port link is up.
		Blink	The 100M transmit or receive activity is present on the service port.
Off	Link down		

#### 2.4 Rear View



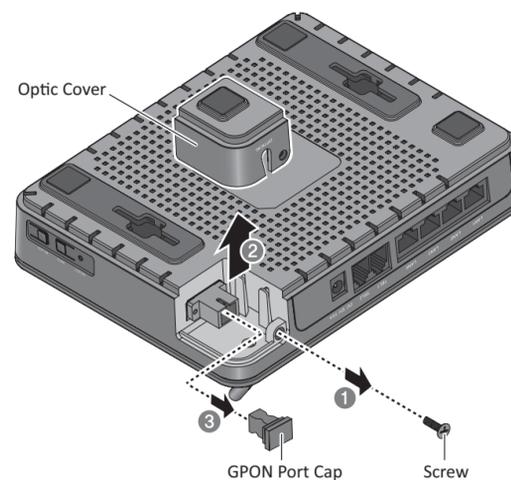
Item	Description
① OPTICAL	Connect the network.
② LAN1~4	Connect PC or LAN.
③ TEL1~2	Connect telephone.
④ POWER	Connect power adapter.
⑤ ON/OFF	Turn on/off the unit.
⑥ RESET	Reboot the unit.
⑦ WPS	Enable WPS process.
⑧ WLAN	Enable wireless function.
⑨ Antenna	Transmit and receive wireless packets.

#### 3. Installation

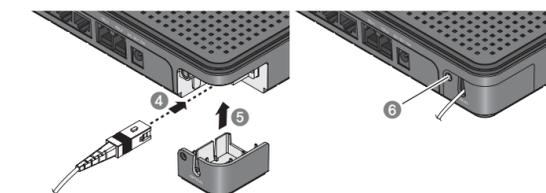
Before installing the unit, you should consider the distance to an easily accessible power outlet and the space required for laying the cables to the connector panel.

##### 3.1 Connecting to Network (through GPON port)

- ① Loosen the screw from the optic cover.
- ② Pull the optic cover out from the body.
- ③ Remove the cap from GPON port.



- ④ Plug in the optic cable (SC/APC-connectorized) to connect the ONT to the network (OLT).
- ⑤ Attach the optic cover to the unit.



- ⑥ Tighten the screw on optic cover.

##### 3.2 Connecting Ethernet/VoIP/Power and Enabling WLAN

- ① Plug the Ethernet cable from LAN port to PC.
- ② Plug the phone cable from TEL port to telephone.
- ③ Connect the power adapter from power port to a live AC outlet.
- ④ Turn on the unit by pushing the power switch.
- ⑤ Make two antennas upright.
- ⑥ Push WLAN button to enable WLAN.

