Accton Technology H680GM Access Point Installation Guide

Quick Installation Guide
H680GM

Contents

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.

Caution & Warning

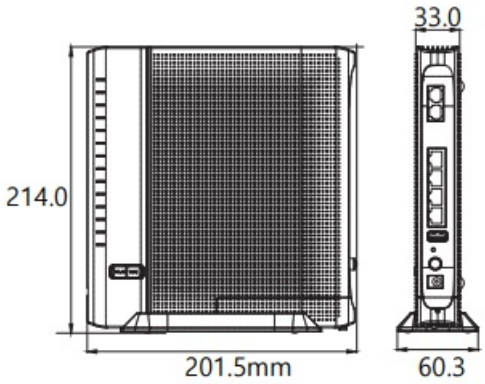
- This unit is for indoor use only
- All the communication wirings are limited to the inside of the building.
- DO NOT plug in, turn on or attempt to operate an obviously damaged unit.

- 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 the high-temperature source.
- DO NOT disassemble the unit.
- DO NOT operate the unit in a location where the maximum ambient temperature exceeds 45°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.
- This equipment is not suitable for use in locations where children are likely to be present.

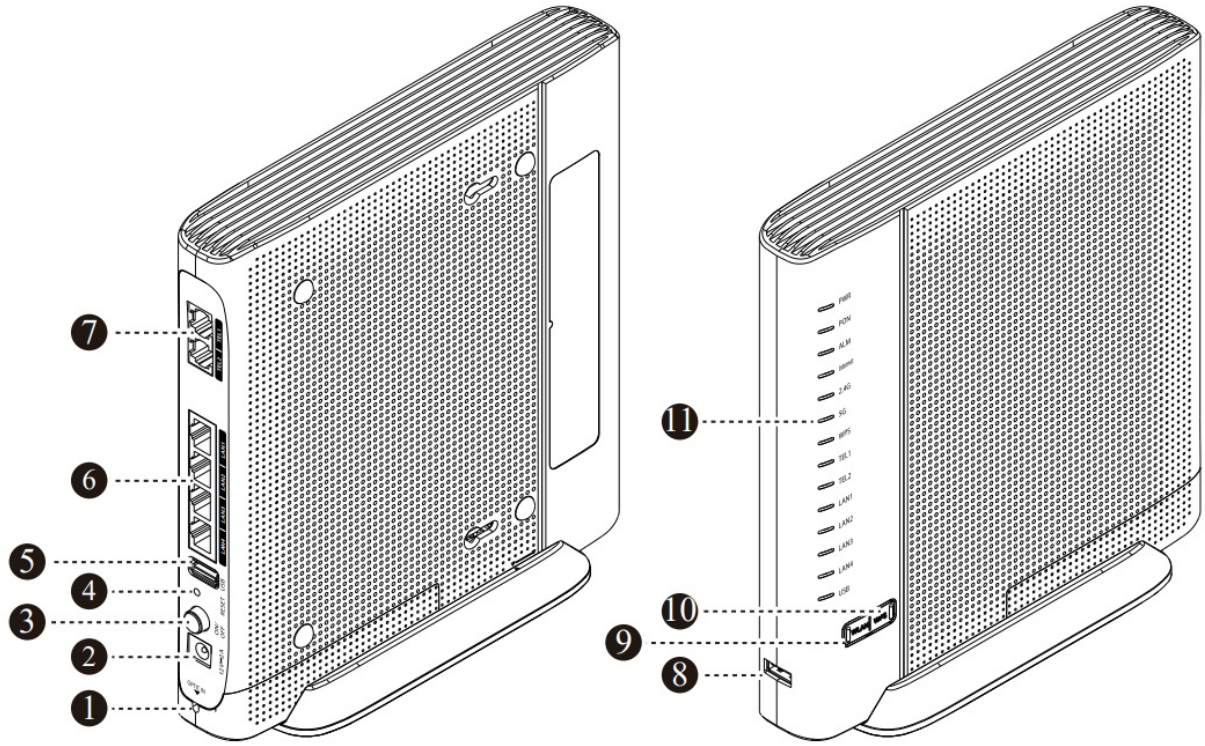
Limited Warranty
– Not covered under this warranty is defect and damage resulting from product disassembly by yourself. And also, such behavior may amount to intellectual property infringement.
Information furnished by DASAN Network Solutions is believed to be accurate and reliable. However, no responsibility is assumed by DASAN Network Solutions for its use, nor for any infringements of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of DASAN Network Solutions. DASAN Network Solutions reserves the right to change specifications at any time without notice.

Introduction

2.1 Package Contents
– H680GM – Power Adapter – RJ45 UTP Cable – QIG (Quick Guide)
2.2 Specification

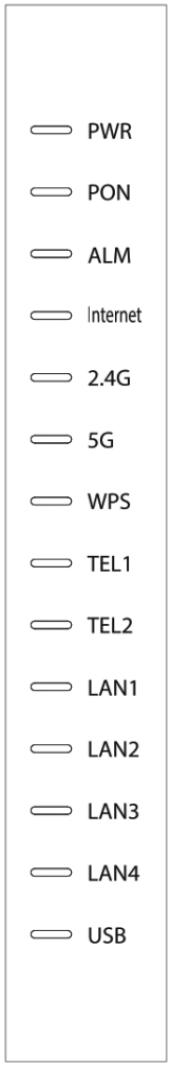
Item	Specification
SDRAM	256MB
Flash Memory	128MB
Uplink Interface	1 GPON port (SC/APC)
Service Interface	4 10/100/1000Base-TX ports (RJ45)
USB	1 USB 2.0 and 1 USB 3.0
Wireless	Internal antenna IEEE 802.11a/b/g/n/ac compliant Frequency: 2.4GHz, 5GHz 2G band Three Transmit and Three Receive path(3T3R) 5G band Four Transmit and Four Receive path(4T4R) 2.4GHz 802.11b : 16 dBm ± 1 dB 802.11g : 15 dBm ± 1 dB 802.11n_HT20/40 : 16 dBm ± 1 dB 5GHz 802.11a : 17 dBm ± 1 dB 802.11n/HT20 : 14 dBm ± 1 dB 802.11n/HT40 : 15 dBm ± 1 dB 802.11ac_VHT20/40/80 : 15 dBm ± 1 dB
Power Adapter	Output: 12VDC/2A
Operating Temp.	0 to 45°C (32 to 113°F)
Operating Humidity	0 to 90% (non-condensing)
Dimensions	

2.3 Rear View



Item	Description
OPTIC LINE	Connect optical network.
Power port	Connect an external power supply.
ON/OFF button	Turn on/off the unit.
RESET button	Reboot the unit.
USB	Connect an external 2.0 USB drive.
LAN 1-4	Connect to PC or LAN. 4 10/100/1000Base-TX interfaces
TEL 1-2	Connect to VoIP phone.
USB	Connect an external 3.0 USB drive.
WLAN	Enable Wi-Fi function.
WPS	Enable the WPS process.
Operation LEDs	Operating status LEDs.

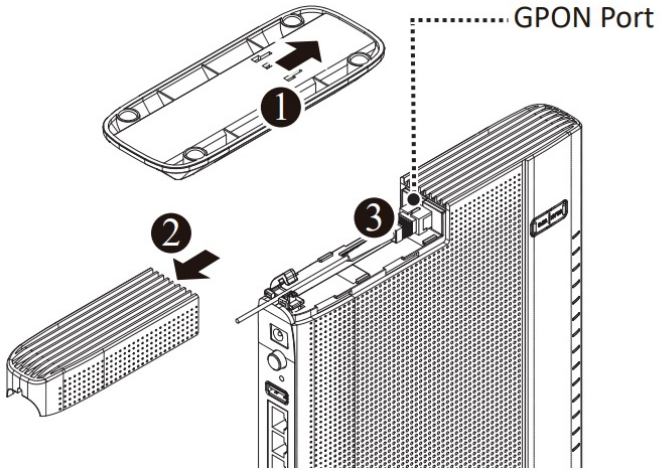
2.4 Front View (LED))


PWR
PON
ALM
Internet
2.4G
5G
WPS
TEL1
TEL2
LAN1
LAN2
LAN3
LAN4
USB

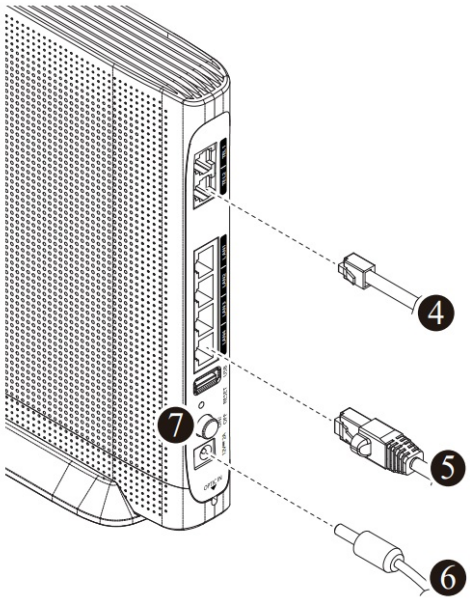
Label	Light	Status	Description
PWR	Green	On	The device is receiving power and working properly.
	Off		The device does not receive power.
PON	Green	On	The device is linked successfully to optical layer.
		Blinking	The device is initializing to an optical network.
	Off		The optical link is down.
ALM	Red	II On	No optic signal, firmware update failure or other faults.
	Off		Received optical power is normal.
Internet	Green On		In service.
	Off		Not in service.
2.4/5G	Green	On	The device has a successful WLAN function.
		Blinking	The device is receiving or sending data.
		Off	The WLAN is disabled.
WPS	Green	On	WPS connection successfully established.
		Blinking	WPS in progress.
	Off		Disabled or process finished successfully.
TEL 1-2	Green On		Hook off.
	Off		Hook on.
LAN 1 -4 USB	Green	On	The device has successful 10/100/1000Mbps connections
		Blinking	The device is sending or receiving data.
		Off	The link is down.
	Green	On	USB is connected and working normally.
		Blinking	Data is being transmitted.
	Off		USB is not connected or power is not fed.

Installation

1. Flip the device upside down, slide the stand toward the right and remove it.
2. Pull out the protective cap of the GPON port.
3. Connect an SC/APC connector optic cable to the GPON port. And, attach the protective cap and slide the stand onto the device.

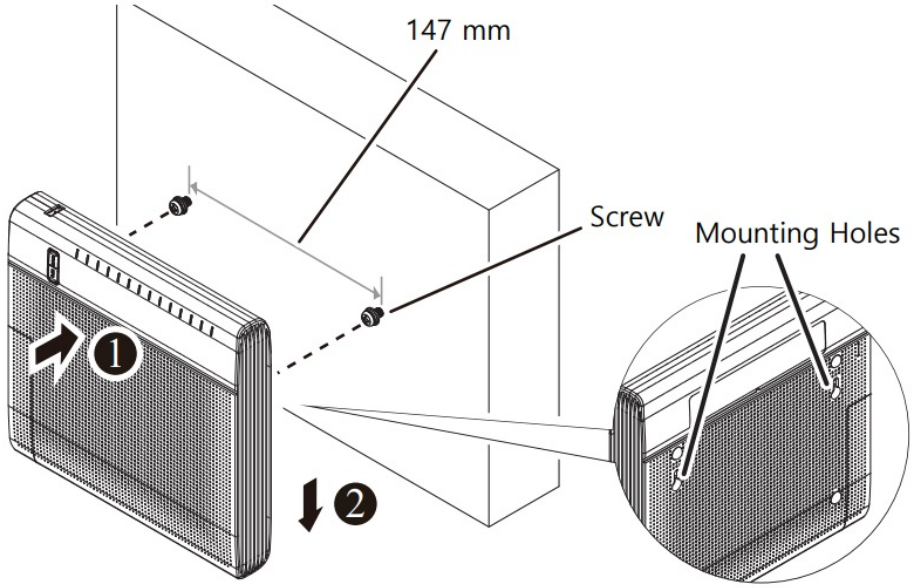


4. Connect the telco cable from the TEL port to the VoIP phone.
5. Connect the Ethernet cable from the LAN port to the PC.
6. Connect the power cable from the power port to an electrical outlet.
7. Turn on the unit by pushing the power button.



Mounting on a Wall

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



Web Access

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

1. Connect the LAN port of the unit to your PC using an Ethernet cable.
2. Configure the 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 an IP address automatically through the unit.
3. Open a web browser, and enter **http://192.168.1.1** in a URL field.
4. Type admin/vertex25 in the user name/password field, and log into the system. The initial page is displayed.

   ※ For Web Access User/PW and WiFi SSID/WiFi PW, please check a label on the bottom panel of your unit.

   ※ To change the SSID and/or password, move onto Wi-Fi Setup > WiFi Settings on the web. And change them and click 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 include the volume of network traffic, building materials and construction, network overhead, lower actual data throughput rate, and wireless coverage.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
CAUTION: Any Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

  A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

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Documents / Resources

	Accton Technology H680GM Access Point [pdf] Installation Guide MLTG360, HEDMLTG360, H680GM, PJZH680GM, H680GM Access Point, Access Point