User Manual

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FCC Compliance Statement

This device complies with part 15 of the FCC Rules and Industry Canada license-exempt RSS standard(s).
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: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

NOTE: 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

Industry Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s).
Operation is subject to the following two conditions: (1)this device may not cause interference, and (2)this device must accept any interference, including interference that may cause undesired operation of the device.

Énoncé d'Industrie Canada(IC)

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.
Tout changement ou modification non expressément approuvé par la partie chargée de la mise en conformité peut annuler le droit de l'utilisateur à utiliser l'équipement.
Une distance de séparation minimale de 20 cm doit être maintenue entre l'antenne et la personne pour que cet appareil satisfasse aux exigences d'exposition aux RF

V 1.0

Quick Installation Guide

H660GX

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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.

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.*
- *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.*

2. Introduction

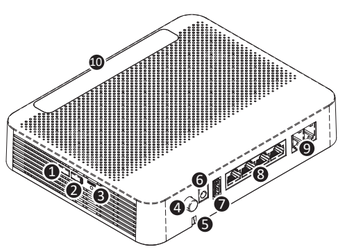
2.1 Package Contents

- H660GX (xPON ONT)
- RJ45 UTP cable
- Power Adaptor
- QIG (Quick Installation Guide)

2.2 Specification

Item	Specification
Uplink Interface	1 GPON port (SC/APC)
Service Interface	4 10/100/1000Base-T ports (RJ45)
Wi-Fi	WiFi6 (2.4G/5G), 2x2 MIMO, Internal antenna
VoIP Interface	2 FXS ports (RJ11)
USB	1 USB Host 2.0
Power Adaptor	12VDC/2.0A
Operating Temp.	0 to 40°C (32 to 104°F)
Operating Humidity	20 to 90% (non-condensing)
Dimensions	190 x 150 x 39.5 mm / 7.48 x 5.90 x 1.55 in (W x D X H)
FCC	
Frequency Range	2412MHz ~ 2462MHz / 5180MHz ~ 5825MHz
802.11 protocol	802.11a/b/g/n/ac/ax
Maximum RF Power	2.4GHz : 22 dBm, 5GHz : 23.5 dBm
CE/UKCA	
Frequency Range	EU : 2412MHz ~ 2472MHz / 5180MHz ~ 5700MHz UK : 2412MHz ~ 2472MHz / 5180MHz ~ 5825MHz
802.11 protocol	802.11a/b/g/n/ac/ax
Maximum RF Power	2.4GHz : 19.5 dBm, 5GHz : 27 dBm, 5.8GHz(UK) : 20 dBm

2.3 Interface



Item	Description
① WLAN	Enable Wi-Fi function.
② WPS	Enable WPS process.
③ RESET button	Reboot the unit.
④ ON/OFF button	Turn on/off the unit.
⑤ Fiber Connector	Connect optical network
⑥ Power port	Connect an external power supply
⑦ USB	Connect an external USB drive
⑧ LAN1~4	Connect to PC or LAN. 4 10/100/1000Base-T interfaces
⑨ TEL1~2	Connect to VoIP phone.
⑩ LEDs	Operating status LEDs.

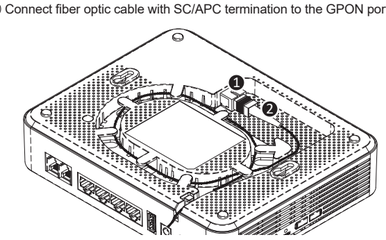
2.4 LED

Label	Light	Status	Description
PWR	Green	On	The system is turned on.
		Off	The system is turned off.
PON	Green	On	Optic signal normal. Normally registered.
		Blinking	Firmware being downloaded .
	Red	On	No optic signal. And the unit has not been registered.
ALM	Red	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.
2.4G	Green	On	The link is up.
		Off	The link is down.
5G	Green	On	The link is up.
		Off	The link is down.
WPS	Green	On	WPS connection successfully established(for 5 seconds).
		Blinking	WPS in progress.
		Off	Disabled or process finished successfully.
LAN 1~4	Green	On	The 1G port link is up.
		Blinking	The 1G transmit or receive activity is present on the service port.
	Orange	On	The 10/100M port link is up.
		Blinking	The 10/100M transmit or receive activity is present on the service port.
		Off	The link is down.

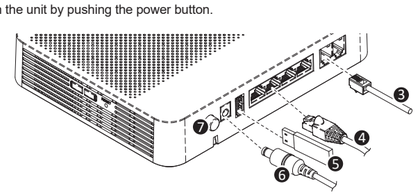
USB	Green	On	USB is connected, and working normally.
		Blinking	USB is being transmitted.
		Off	USB is not connected, or power is not fed.

3. Installation

① Remove the protective cap of GPON port.
② Connect fiber optic cable with SC/APC termination to the GPON port.

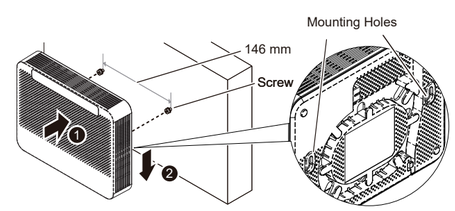


③ Connect the telco cable from TEL port to home phone lines.
④ Connect the Ethernet cable from LAN port to PC.
⑤ (OPTIONAL) USB interface for ancillary devices
⑥ Connect the power cable from power port to an electrical outlet.
⑦ Turn on the unit by pushing the power button.



Mounting on a Wall

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



4. Web Access

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

① Connect an Ethernet cable from your computer to LAN on the H660GX.
② Launch a browser or telnet session and point it to **192.168.55.1**
③ Enter the username and password.

※ For username/password and a default SSID/PW, please check the label on the bottom panel of your unit.

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