

WAG-8F2W6-XS XGSPON ONT User Manual



◆ Package Lists

Item	Quantity
WAG-8F2W6-XS ONT Unit	1
Power Adapter	1
RJ-45 Ethernet Cable	1
User Manual	1

◆ Product Overview

The WAG-8F2W6-XS is an ITU-T G.984 and ITU-T G.988 compliant ONT. The ONT provides four GE ports, two POTS ports, **Wi-Fi 802.11ax 2x2@2.4GHz & 802.11ax 4x4 @5GHz** concurrent, one RF interface, can efficiently deliver data services, video and voice services. Its characteristics of high bandwidth and low delay can meet the needs of high-end home users. And it supports desktop mounting or wall mounting.

□ Interface

Device Interface	Description
Fiber Optical interface	1*SC/APC optical interface for fiber connection.
LAN	4*GE Ethernet interface with RJ-45 connector, Supports 10/100/1000-Base-T, half/full duplex and flow control, auto negotiation or manual configuration and supports MDI/MDIX auto-sensing
Phone	2*POTS interfaces with RJ-11 connector
Power	12V Power Input Interface 1* DC Jack for power input
Antenna	6*external antenna

□ Technical Specification

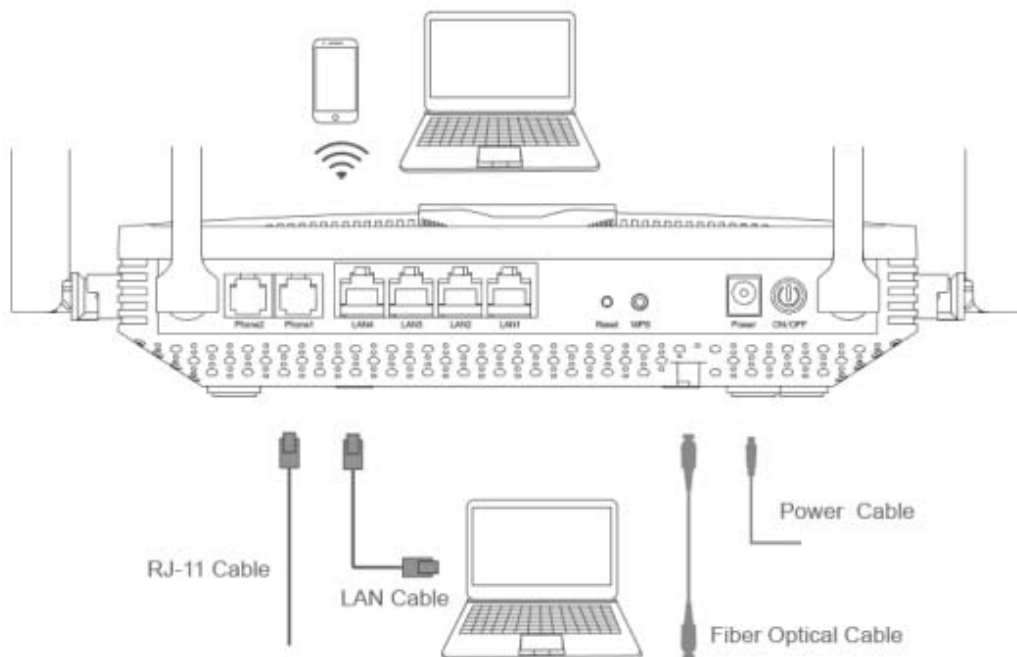
Item	Description
Dimension	220mm×160mm×55mm(Height×Width×Depth)
Rated Voltage	12V
Rated Current	2A
Operation Temperature	0°C to 40°C
Storage Temperature	-20°C to 65°C

◆ Safety Instructions

Please read the safety instructions carefully before using the device.

1. Please keep the power adapter and cables and hands clean and dry to avoid the electric shock and other dangers.
2. Please only use the standard power adapter provided in the packaging box, otherwise, the device may work abnormally or even be damaged .
3. Please don't open the cover of the device, especially when the device is powered on. It can be dangerous to do so.
4. If do not use the device for a long time, please turn off the power.
5. If find the device is in an abnormal state, such as too hot, strange smell or smoke, please power off the device quickly and feed back to the service provider.
6. Please keep the device away from any hot source and water.
7. Please don't let anything cover the cooling holes of the device.
8. Observe local equipment handling regulations and protect the environment.
9. If need to clean the dust of the equipment, please cut off the power supply first and unplug the relevant connecting cable, then use dry cloth to clean, do not use any liquid.

◆ Connection



□ Connect Ethernet

If needed, connect LAN port of WAG-8F2W6-XS to PC via standard RJ-45 Ethernet Cable. Wireless devices can use the network name (SSID) & password to connect to Internet.

□ Connect Fiber Optical Cable

Connect the fiber optical port of WAG-8F2W6-XS (at the bottom of the device) to XGSPON OLT via fiber optical cable.

□ Connect RJ-11 cable

If needed, connect the phone port of WAG-8F2W6-XS to wired telephone via RJ-11 cable.

□ Connect Power Adapter

Connect the power interface of WAG-8F2W6-XS to a power outlet via the provided power adapter (Please don't use other specifications of power adapter), then turn on the power switch of WAG-8F2W6-XS.

◆ LED

Power	PON	LOS	Internet	LAN1	LAN2	LAN3	LAN4	Phone1	Phone2	2.4GHz	5GHz	WPS	CATV
■	■	■	■	■	■	■	■	■	■	■	■	■	■

LED	Color	State	Description
Power	Green	Off	The device is powered off.
		On	The device is powered on.
PON	Green	Off	The device has not started the registration process.
		Flashing	The device is registering or upgrading.
		On	The device has completed the registration process.
LOS	Red	Off	The received XGSPON optical power is normal.
		Flashing	The received XGSPON optical power is lower than the sensitivity of the optical receiver.
Internet	Green	Off	The device has no Ethernet connection.
		On	The device has connected to the Internet (the correct IP address has been obtained and the bridge link is normal).
LAN	Green	Off	The device is not powered on or no LAN connection is established.
		Flashing	Data is transmitted or received through this Ethernet interface.
		On	The LAN connection is established but no data is transmitted/received.
Phone	Green	Off	The device is unable to register on the soft switch/IMS.
		Flashing	Voice service is being provided.
		On	The device has registered on the soft switch/IMS but no voice service.
2.4GHz	Green	Off	The WI-FI interface is disabled.
		Flashing	Data is being transmitted.
		On	The WI-FI interface is enabled.
5GHz	Green	Off	The WI-FI interface is disabled.

LED	Color	State	Description
		Flashing	Data is being transmitted.
		On	The WI-FI interface is enabled.
WPS	Green	Off	WPS is disabled.
		Flashing	The device is performing code matching.
		On	Code matching successful.

◆ Buttons

Button	Function
Power Button	Power on and off the WAG-8F2W6-XS device.
WPS	Set the WPS process.
Reset	Reset the WAG-8F2W6-XS device.

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.

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.

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

RF Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

ISED Canada Statement:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(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.

Radiation Exposure: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment

RF Exposure Statement

To maintain compliance with IC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter

Déclaration de l'ISED Canada :

Cet appareil contient des émetteurs / récepteurs exempts de licence

se conformer à l'innovation, la science et le développement économique

Les RSS du Canada exemptes de licence. Leur fonctionnement suivant deux conditions:

- 1) cet appareil ne peut pas causer d'interférences et
- 2) ce dispositif doit accepter toute interférence, y compris peut provoquer le fonctionnement indésirable de l'appareil.

Exposition aux rayonnements : Cet équipement est conforme aux radiations du Canada limites d'exposition pour un environnement incontrôlé noncé d'exposition RF

Pour maintenir le respect des guides d'exposition RF d'IC, l'équipement doit être installé et actionné avec une distance minimale de 20cm le radiateur de votre corps. Cet appareil et ses antennes ne doivent pas être co-localisé ou en opération en conjonction avec toute autre antenne ou émetteur