



## HG8024

### XPON HGU 4GE+WIFI(2.4G+ 5G) Product introduction

HG8024 is launched to be oriented to multi-service integration network as an optical network unit device, which belongs to XPON HGU terminal for FTTH/O scenario. It configures four 10/100/1000Mbps ports, WiFi (2.4G+5G) port.



### Features: -----

- Compliance with IEEE 802.3ah(EPON) & ITU-T G.984.x(GPON) standard
- Compliance with IEEE802.11b/g/n/ac 2.4G & 5G WIFI standard
- Support IPV4 & IPV6 Management and transmission
- Support TR-069 remote configuration and maintenance
- Support Layer 3 gateway with hardware NAT
- Support Multiple WAN with Route/Bridge mode
- Support Layer 2 802.1Q VLAN, 802.1P QoS, ACL etc
- Support IGMP V2 and MLD proxy/ snooping
- Support DDSN, ALG, DMZ, Firewall and UPNP service
- Support bi-directional FEC

### Highlights: -----

- Support docking compatibility with OLT of various manufacturers
- Support automatically adapt to the EPON or GPON mode used by the peer OLT
- Support 2.4 and 5G Hz dual band WIFI
- Support multiple WIFI SSID
- Support EasyMesh WIFI function
- Support WIFI WPS function
- Support multiple wan configuration
- Support WAN PPPoE/DHCP/Static IP/Bridge mode.
- Support fast transmission of hardware NAT

## Hardware Specifications:-----

- interface: 1\* G/EPON+4\*GE+2.4G/5.8G WLAN
- Power adapter input: 100V-240V AC, 50Hz-60Hz
- Power Supply: DC 12V/1.5A
- Indicator light: POWER/PON/LOS/LAN1/ LAN2 LAN3/LAN4/2.4G/5G
- Button: Power switch Button, Reset Button, WLAN Button, WPS Button
- Power Consumption: <18W
- Working temperature: -20°C ~ +55°C
- Environment humidity: 5% ~ 95% (non-condensing)
- Dimension: 180mm x 133mm x 28mm (L×W×H Without antenna)
- Net Weight: 0.28Kg

## PON Interface:-----

- Interface Type: SC/APC, CLASS B+
- Transmission distance: 0~20km
- Working wavelength: Up 1310nm; Down 1490nm
- RX Optical power sensitivity: -27dBm
- Transmission rate:  
GPON: Up 1.244Gbps; Down 2.488Gbps  
EPON: Up 1.244Gbps; Down 1.244Gbps

## Ethernet Interface :-----

- Interface type: 4\* RJ45
- Interface parameters: 10/100/1000BASE-T

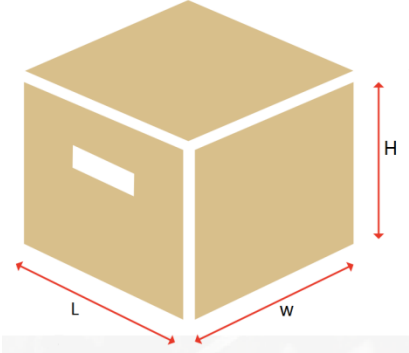
## Wireless:-----

- Interface type: External 4\*2T2R External antenna
- Antenna gain: 5dBi
- Interface maximum rate:  
2.4G WLAN: 300Mbps  
5.8G WLAN: 866Mbps
- Interface working mode:  
2.4G WLAN: 802.11 b/g/n  
5.8G WLAN: 802.11 a/n/ac

**Packing list:** -----

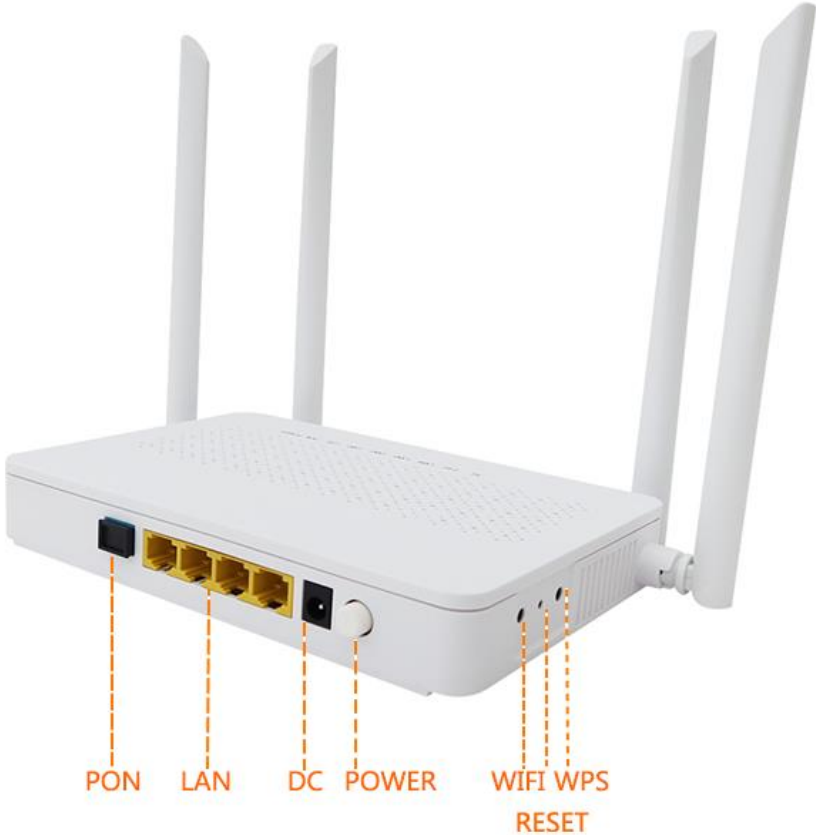
- ONU \* 1 PCS
- Power adaptor \*1 PCS
- Network cable \*1 PCS
- Box \*1 PCS

**Packing size:** -----



Measurement: 27.5 \* 25.8 \* 5.8 cm, 0.5kg

**Interface and Button:** -----



Application Scenario: -----

