



# GL-GE1011U- HZ

## XPON HGU 1GE+CATV ONT

### Product Introduction:

GL-GE1011U-HZ is a residential gateway device with routing functions for XPON ONU and LAN Switch for residential and SOHO users, which is in line with ITU-T G.984 and IEEE802.3ah. The uplink of HG1011 provides one PON interface, while downlink provides one Ethernet and RF interface. It can realize optical access solutions such as FTTH (Fiber To The Home) and FTTB (Fiber To The Building). It fully integrates the reliability, Maintainability and security design of carrier-grade equipment, and provides customers with the last kilometer of broadband access to residential and corporate customers.



### Features:

- Compliance with IEEE 802.3ah(EPON) & ITU-T G.984.x(GPON) 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 DDNS, ALG, DMZ, Firewall and UPNP service
- Support CATV interface for video 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 multiple wan configuration
- Support WAN PPPoE/DHCP/Static IP/Bridge mode.
- Support CATV video service
- Support fast transmission of hardware NAT

### Hardware Specifications:-----

- interface: 1\* G/EPON+1\*GE+1\*RF
- Power adapter input: 100V-240V AC, 50Hz-60Hz
- Power Supply: DC 12V/1A
- Indicator light: POWER/PON/LOS/LAN1/  
/RF/OPT
- Button: Power switch Button, Reset Button
- Power Consumption: <18W
- Working temperature: -20°C ~ +55°C
- Environment humidity: 5% ~ 95%  
(non-condensing)
- Dimension: 157mm x 86mm x 28mm  
(L×W×H Without antenna)
- Net Weight: 0.15Kg

### PON Interface:-----

- Interface Type: SC/APC, CLASS B+
- Transmission distance: 0~20km
- Working wavelength: Up 1310nm;  
Down 1490nm; CATV 1550nm
- 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: 1\* RJ45
- Interface parameters:  
10/100/1000BASE-T

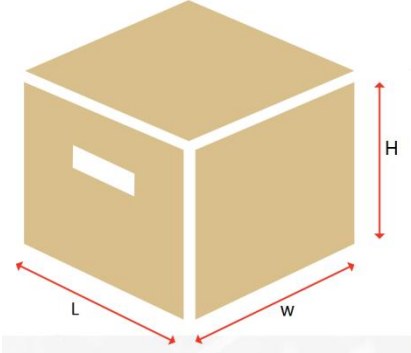
### CATV Interface:-----

- Interface type: 1\*RF
- Optical receiving wavelength: 1550nm
- RF output level :  $80 \pm 1.5$ dBuV
- Input optical power: +2~-15dBm
- AGC range: 0~-12dBm
- Optical reflection loss: >14
- MER: >31@-15dBm

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

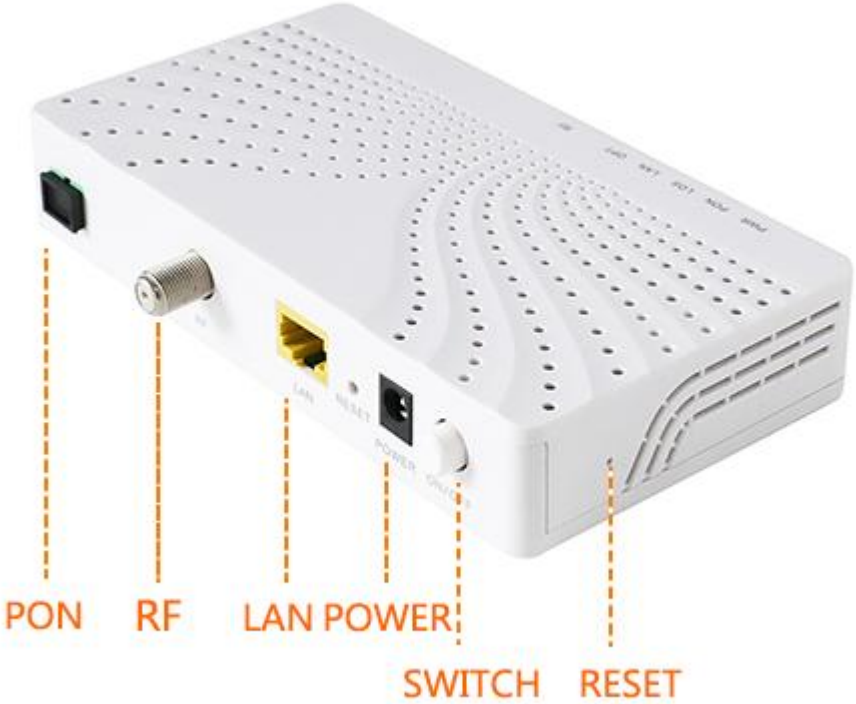
- ONU \* 1 PC
- Power adaptor \*1 PC
- Network cable \*1 PC
- Box \*1 PC

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



Measurement: 18.7 \*13.5 \* 8 cm, 0.31kg

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



Application Scenario: -----

