HG100

XPON HGU 1GE

Product introduction

HG100 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 HG100 provides one PON interface, while downlink provides one Ethernet. 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 DDSN, ALG, DMZ, Firewall and UPNP service
- Support bi-directional FEC
- Support VEIP and PPTP

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 fast transmission of hardware NAT

Hardware Specifications:---------------

- interface: 1* G/EPON+1*GE
- Power adapter input: 100V-240V AC, 50Hz-60Hz
- Power Supply: DC 12V/0.5A
- Indicator light: POWER/PON/LOS/LAN1
- Button:Reste Button
- Power Consumption: <18W
- Working temperature: -20℃～+50℃
- Environment humidity: 5% ~ 95% (non-condensing)
- Dimension：78mm x 78mm x 21mm (L×W×H Without antenna)
- Net Weight：0.06Kg

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:
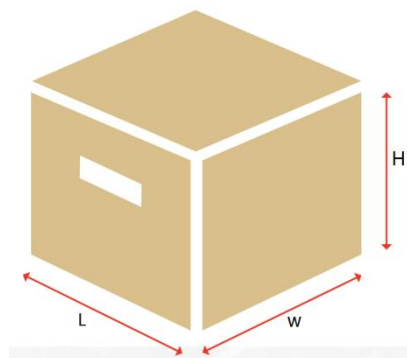 GPON: Up 1.244Gbps；Down 2.488Gbps
  EPON: Up 1.244Gbps；Down 1.244Gbps

Ethernet Interface : --------------------

- Interface type：1* RJ45
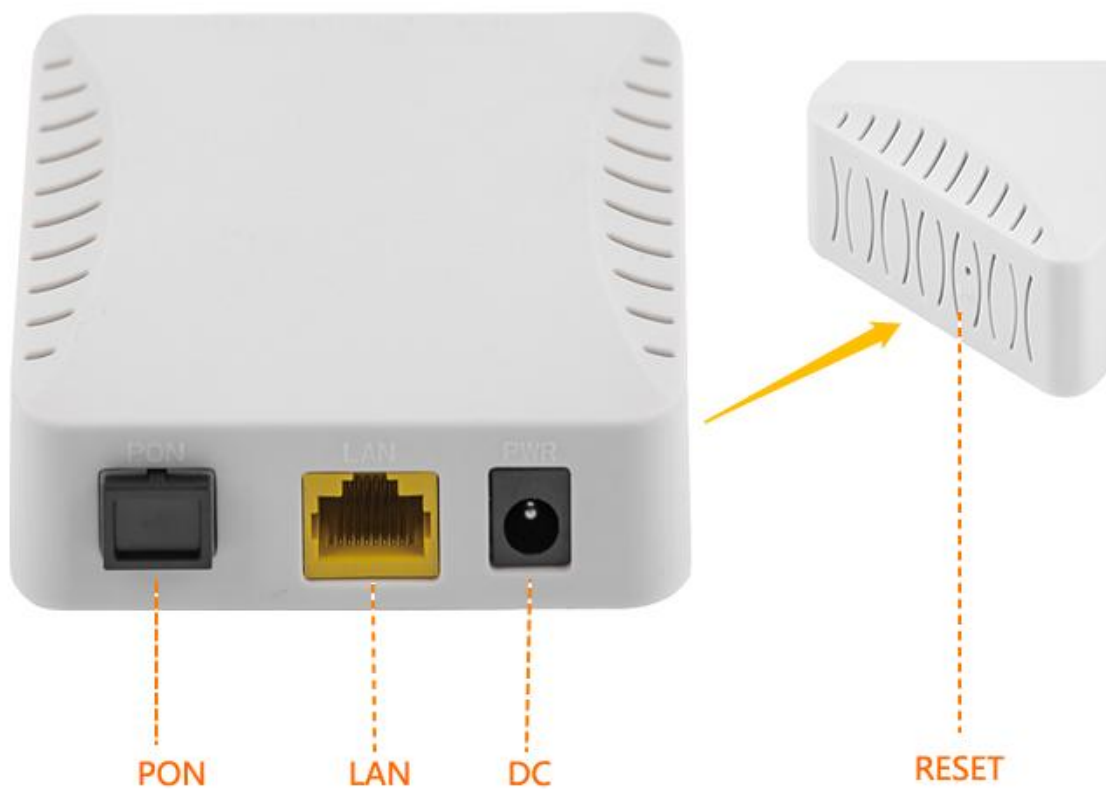- Interface parameters：10/100/1000BASE-T

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

ONU * 1 PC
Power adaptor *1 PC
Box *1 PC

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

Measurement: 16.4 *10.8 * 4.6cm, 0.19kg

Interface and Button: ---

PON   LAN   DC   RESET

Application Scenario: --
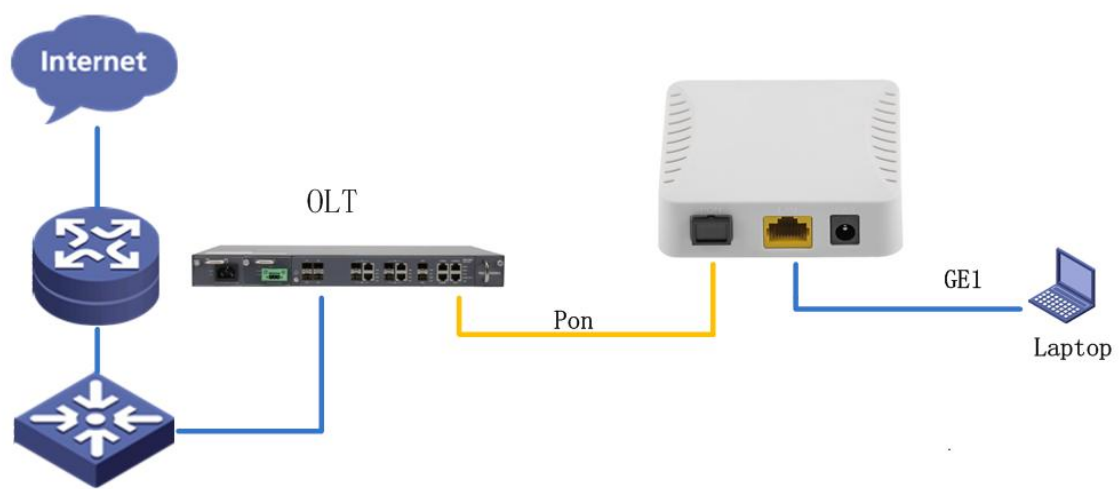
Company Introduction: ---

Established in 2016, Shenzhen Huanhu Technology Co., Ltd is a R&D oriented new high-tech enterprise specializing in the production and sales of passive optical network communication products and voice gateway products. As the original manufacturer, Huanhu contributes its own strength to the network access of China and the world.

Since its establishment, Huanhu has been adhering to the management policy of "innovation drives development, quality casts brand", and has been growing rapidly at a rate of nearly 50% annually for the past four years.

Huanhu owns its own processing and manufacturing production lines, a number of SMT lines, wave soldering lines, latter soldering lines and assembly and testing lines, which can provide customers with high quality OEM/ODM services. In recent years, Huanhu has introduced a series of advanced equipment including laser automatic coupling machine, eye diagram instrument, oscilloscope. In addition, Huanhu has obtained ROHS, SGS, TUV certificates. Huanhu has absolute market share in China and also good sales and popularity overseas.

Huanhu combines R&D with manufacturing, firmly grasp the supply chain, aiming to provide customers with fast, high quality, high competitiveness of products and services.

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