ONU HG1011 (P4)

Overview:

HG1011 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.

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



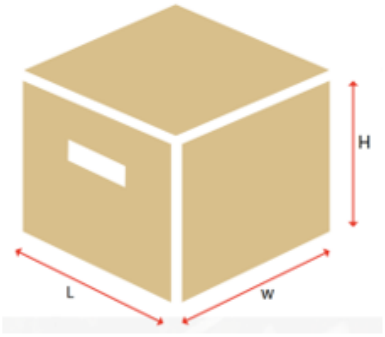
Specifications

1. Main features

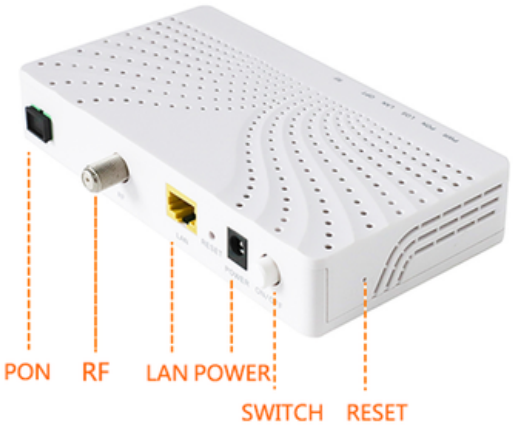
General	
Protocol Standards	ITU-T G.984.x, IEEE802.3ah
Distance	20Km Max
Date Rates	1 GPON/EPON auto-adaptive interface, SC single-mode/single-fiber:Work as GPON: Upstream rate 1.25Gbps Downstream rate 2.5Gbps Work as EPON: Upstream rate 1.25Gbps Downstream rate 1.25Gbps
PON TX Power	1～5dBm (1310nm)
PON RX Sensitivity	<-28dBm (1490nm)
Power	≤ 12W
Hardware	
Interfaces	1 x SC/UPC or 1 x SC/APC (optional)1 x 10/100/1000Mbps LAN port x 1 RF
Indicator light	POWER/PON/LOS/LAN1/RF/OPT
Buttons	Power Switch Button, Reset Button
Power Supply	DC 12V 1A
Dimensions (W x D x H)	157*86*28mm (length*width*height)
Net Weight	0.15kg
Environment	
Operating Temperature	-20℃～+55℃
Storage Temperature	-40°C ～ 50°C
Environment Humidity	5% ～ 95%, non-condensing
Certifications	CE, RoHS, QoS
CATV	
Optical Receive	-15～+2 dBm
AGC range	0～-12 dBm
Optical reflection loss	>14 dB
Wave length	1550nm
Connector	RF
BW	40~ 1000 MHz
RF Output level	≤ 82 dBμV
MER	>31@-15dBm
Software	
• 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	
Package Contents	
Items	1 x GPON ONT x Quick Installation Guide x Power Adapter x Network cable

Specifications

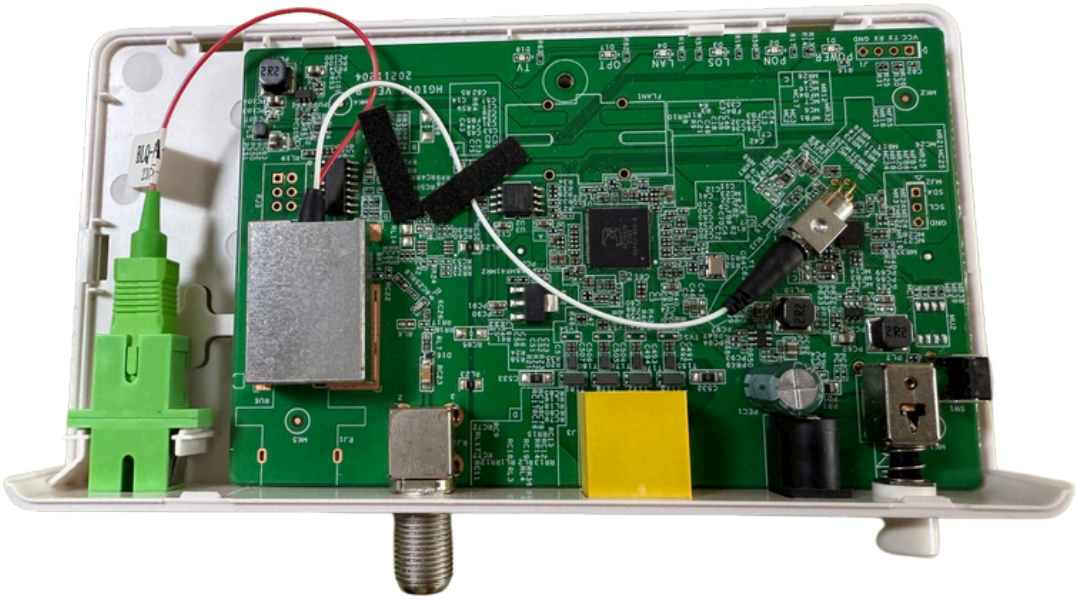
2. Packing size, Interface and Buttons



Measurement: 18.7 *13.5 * 8 cm, 0.31kg



3. Electronic Board



4. Application Scenario

