



## HG322G HGU

1GE+1POTS HGU

### Key Features:

- Detect and exchange PON mode automatically
- Can be used in a wide temperature environment
- IPv4/IPv6 Stack
- Support SIP protocol
- Powerful firewall function

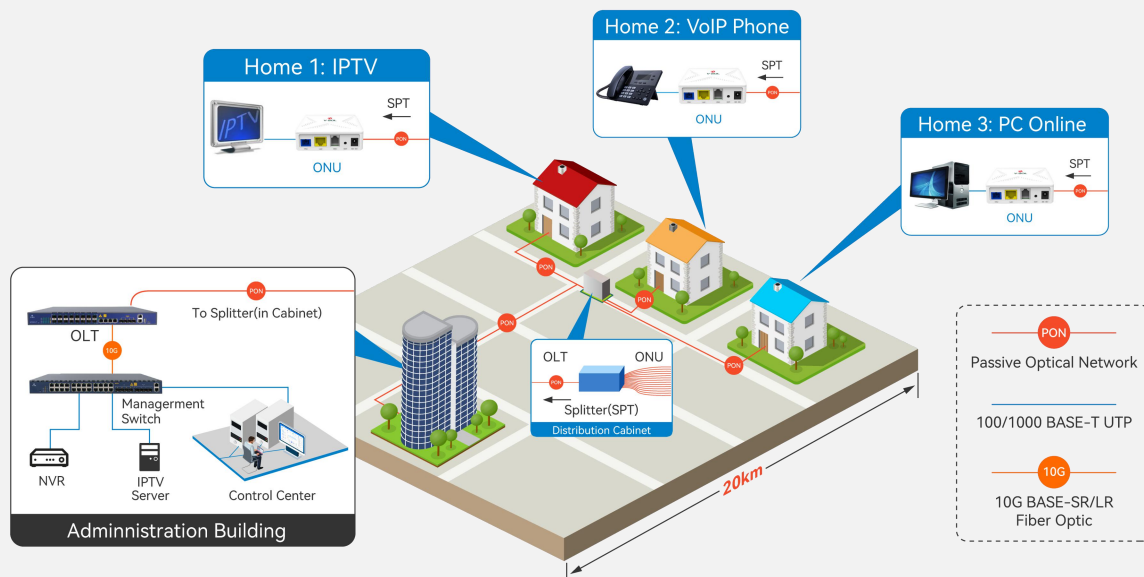


### Introduction:

1GE+1POTS XPON HGU terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators. This box is based on the mature Chipset (Realtek) technology, which have high speed performance, and the technology of Layer 2/3, and high quality VoIP as well. Support full management of HGU devices through VSOL OLT. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as ITU-T G.984.x and technical requirement of GPON Equipment from China Telecom.

### Application Chart:

## Fiber to the Home (FTTH) Application of HG322G



## ○ Hardware Parameter

Dimension	100mm*92mm*29.5mm(L×W×H)
Net weight	0.11Kg
Operating condition	<ul style="list-style-type: none"> <li>• Operating temp: 0 ~ +55°C</li> <li>• Operating humidity: 10~90% (non-condensed)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>• Storing temp: -30 ~ +60°C</li> <li>• Storing humidity: 10 ~ 90% (non-condensed)</li> </ul>
Power adapter	DC 12V/1A, external AC-DC power adaptor
Power supply	≤10W
Interface	1GE+1POTS
Indicators	PWR, PON, LOS, WAN, LAN, PHONE

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>• 1XPON port(EPON PX20+ and GPON Class B+)</li> <li>• SC Single Modem, SC/UPC connector</li> <li>• TX optical power: 0~+4dBm</li> <li>• RX sensitivity: -8 to -25 dBm</li> <li>• Transmission distance: 20KM</li> <li>• RX 2.488Gbps, TX 1.2488Gbps</li> <li>• Wavelength: Tx 1310nm, Rx1490nm</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*GE, Auto-negotiation,RJ45 ports</li> <li>• 1*POTS RJ45 Connector</li> </ul>

## ○ Function Data

Management	<ul style="list-style-type: none"> <li>• OAM/OMCI, Telnet, WEB, TR069</li> <li>• Support full management of HGU functions by VSOL OLT</li> </ul>
Internet connection	<ul style="list-style-type: none"> <li>• Support Bridge, Route and Bridge/Route mixed mode</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• Support IGMP v1/v2/v3</li> <li>• Support IGMP Proxy and MLD Proxy</li> <li>• Support IGMP Snooping and MLD Snooping</li> </ul>

## ○ Function Data

VLAN	<ul style="list-style-type: none"> <li>• Support VLAN tag mode</li> <li>• Support VLAN trunk mode</li> <li>• Support VLAN translation</li> </ul>
Data service functions	<ul style="list-style-type: none"> <li>• Full speed non-blocking switching</li> <li>• 2K MAC address table</li> <li>• 4K VLAN ID</li> <li>• Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc</li> <li>• Support auto polarity detection of Ethernet ports (AUTO MDIX)</li> <li>• Integrated IEEE802.1p QoS with four level priority queues</li> <li>• Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy</li> </ul>
VoIP	<ul style="list-style-type: none"> <li>• SIP and IMS SIP</li> <li>• G.711a/G.711u/G.722/G.729 Codec</li> <li>• Echo cancellation, VAD/CNG,DTMF Relay</li> <li>• T.30/T.38 FAX</li> <li>• Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference</li> <li>• Line testing according to GR-909</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Support 4 queues</li> <li>• Support SP and WRR</li> <li>• Support 802.1P and DSCP</li> </ul>
L3	<ul style="list-style-type: none"> <li>• Support IPv4, IPv6 and IPv4/IPv6 dual stack</li> <li>• Support DHCP/PPPOE/Static</li> <li>• Support Static route</li> <li>• Support DHCP Server</li> <li>• Support NAT/DMZ/DDNS</li> <li>• Support Virtual Server</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Support Firewall</li> <li>• Support Mac filter Based on MAC or URL</li> <li>• Support ACL</li> </ul>

### Ordering Information:

Product Name	Product Description	Accessories
HG322G	1GE+1POTS	AC-DC power adaptor: DC12V/1A