



## HG322G

1GE+1POTS HGU ONT

### 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:

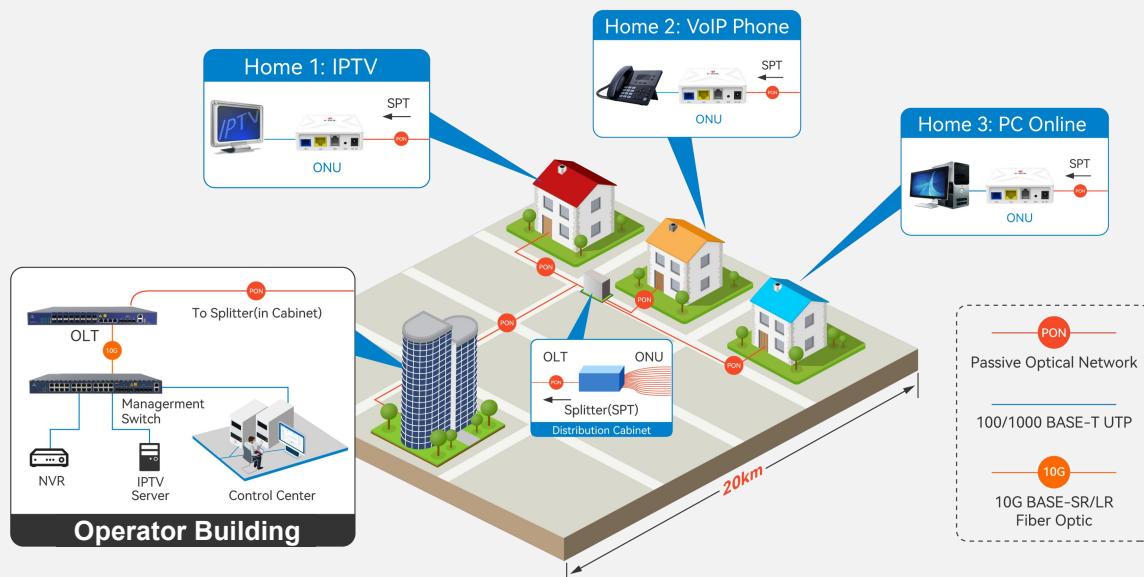
HG322G (1GE+1POTS XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

### 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: -10 ~ +55°C</li> <li>Operating humidity: 5 ~ 95 % (non-condensing)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>Storing temp: -40 ~ +70°C</li> <li>Storing humidity: 5 ~ 95% (non-condensing)</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 mode, SC/UPC connector</li> <li>TX optical power: 0~+4dBm</li> <li>RX sensitivity: -27dBm</li> <li>Overload optical power: -3dBm(EPON) or -8dBm (GPON)</li> <li>Transmission distance: 20KM</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 RJ11 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