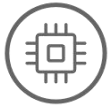




# HG323RGW

1\*XPON+1GE+1FE+1POTS+WiFi 4 HGU ONT

### Key Features:



Realtek Chipset  
High Performance Solution



XPON Dual Mode  
Automatically Access to  
EPON/GPON



WiFi IEEE802.11b/g/n  
2×2 5dBi Antenna  
Wide Coverage



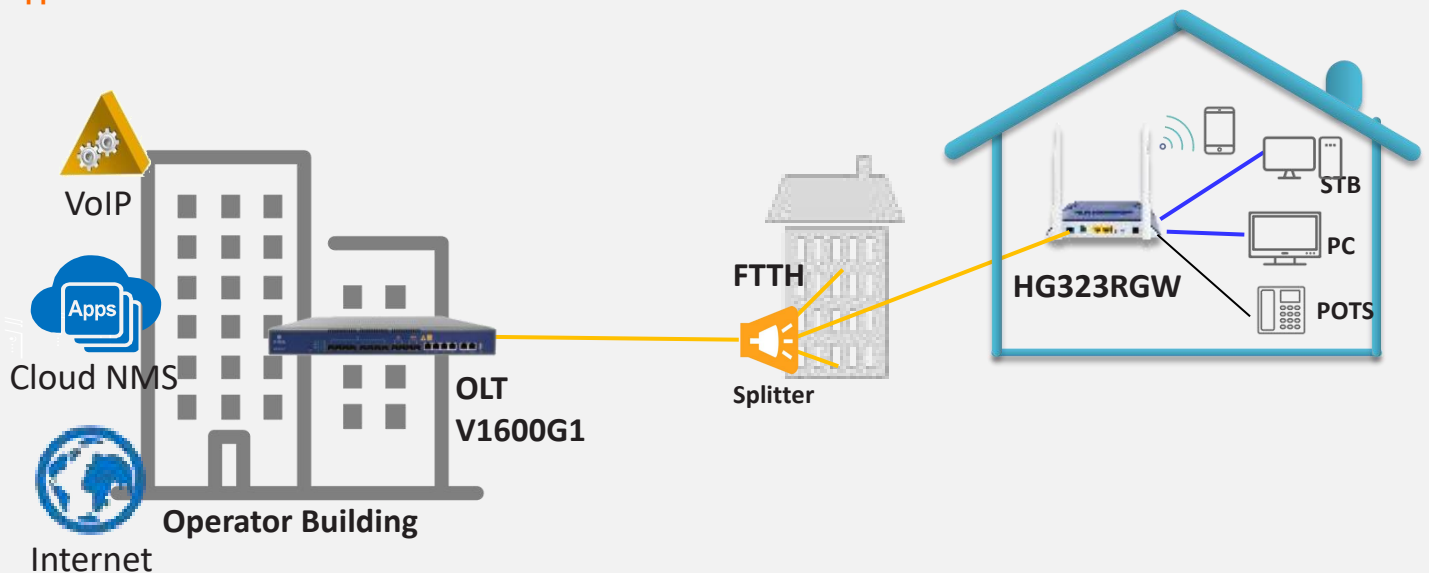
VoIP Protocol  
SIP

### Introduction:

HG323RGW (XPON 1GE+1FE+WiFi 4 HGU ONT) is a broadband access device specially designed to meet the needs of telecom operators for FTTO (Office), FTTD (Desktop), FTTH (Home), SOHO access, and video surveillance access. The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n WiFi 4 technology and other 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:



## ○ Hardware Parameter

Dimension	185mm×120mm×34m(L×W×H)
Net weight	0.24Kg
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	≤6W
Interfaces	1GE+1FE+1POTS+WiFi 4
Indicators	PWR, PON, LOS, LAN1~LAN2, PHONE, Pair, WiFi

## ○ 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>
WiFi interface	<ul style="list-style-type: none"> <li>• Compliant with IEEE802.11b/g/n,</li> <li>• Operating frequency: 2.400-2.4835GHz</li> <li>• support MIMO, rate up to 300Mbps,</li> <li>• 2T2R, 2 external antenna 5dBi,</li> <li>• Support: multiple SSID</li> <li>• Channel:13</li> <li>• Modulation type: DSSS、CCK and OFDM</li> <li>• Encoding scheme: BPSK、QPSK、16QAM and 64QAM</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*GE+1FE, Auto-negotiation, RJ45 connectors</li> <li>• 1*POTS, RJ11 connectors</li> </ul>

## ○ Function Data

PON mode	XPON Dual Mode , Can access mainstream EPON/GPON OLTs
Uplink Mode	Bridging and Routing Mode
Alarm	Support Dying Gasp, Port Loop Detect and Eth Port Los
VLAN	<ul style="list-style-type: none"> <li>• 4K VLAN</li> <li>• VLAN tag, untag, transparent, trunk, translation mode</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• Max Multicast Group 64</li> <li>• IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Support 4 queues</li> <li>• Support SP, WRR, 802.1P and DSCP</li> </ul>
L3	<ul style="list-style-type: none"> <li>• DHCP/PPPOE/Static IP, NAT</li> <li>• DHCPv6 Server, IPv4/IPv6 Static route</li> <li>• IPv4/IPv6 dual stack</li> </ul>
WiFi	<ul style="list-style-type: none"> <li>• Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)</li> <li>• Multiple SSID and SSID conceal</li> <li>• Wireless channel selection</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>
Security	<ul style="list-style-type: none"> <li>• Flow &amp; Storm control, Loop Detection</li> <li>• Filtering Based on ACL/MAC/URL</li> </ul>
Management	<ul style="list-style-type: none"> <li>• CTC OAM 2.1 and 3.0</li> <li>• ITUT984.x OMCI</li> <li>• EMS\WEB\Telnet\CLI and unified network management of VSOL OLT</li> </ul>

Product Name	Product Description	Accessories
HG323RGW	1GE+1FE+1POTS+WiFi 4	AC-DC power adaptor: DC12V/1A