HG323AC-B

1*XPON+2*GE+1*POTS+WiFi5 HGU

Key Features:

- XPON Dual Mode-Auto-adaptive EPON/GPON
- Support EasyMesh protocol
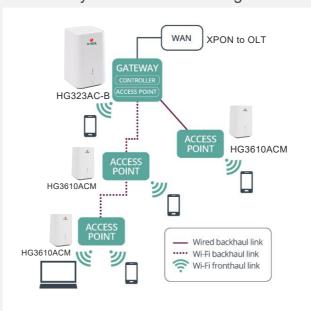- WiFi5 Dual Band 1200Mbps
- IPv4/IPv6 Stack
- Support SIP protocol

Introduction:

2GE+1POTS+WiFi5 XPON HGU terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators. These boxes are based on the mature Chipset (Realtek) technology, which have high ratio of performance to price, and the technology of IEEE802.11b/g/n/ac WiFi, 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 IEEE802.3ah, ITU-T G.984.x and technical requirement of GPON Equipment from China Telecom.

Application Chart:

EasyMesh for Full-coverage

Hardware Parameter

Dimension	115mm×115mm×180m(L×W×H)
Net weight	625g
Operating condition	Operating temp: 0 ~ +50°C Operating humidity: 10 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V,1.5A, external AC-DC power adaptor
Power supply	≤12W
Interface	2GE+1POTS+USB3.0+WiFi5
Indicators	5, For Status of PON/LOS,WiFi,TEL, LAN1,LAN2

Interface parameter

PON interface	• 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0～+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm (GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
User interface	• 2 *GE, Auto-negotiation,RJ45 ports • 1*POTS RJ11 Connector for VoIP • 1*USB3.0 for Printer&Storage • 1*WPS button for quickly pairing two WiFi device.
WLAN interface	Compliant with IEEE802.11b/g/n/ac 2.4GHz Operating frequency: 2.4000-2.4835GHz 5.0GHz Operating frequency: 5.150-5.825GHz Support MIMO, rate up to 1.167Gbps WiFi: 2.4GHz(2T2R), 5.8GHz(2T2R), 5dBi antenna, support: multiple SSID TX power: 11n--22dBm/11ac--24dBm

Function Data

Management	• OAM/OMCI, Telnet, WEB, TR069 • Support full management of HGU functions by VSOL OLT
Internet connection	Support Bridge,Route and Bridge/Route mixed mode
Multicast	• Support IGMP v1/v2/v3 • Support IGMP Proxy and MLD Proxy • Support IGMP Snooping and MLD Snooping
VLAN	• Support VLAN tag mode • Support VLAN trunk mode • Support VLAN translation

Function Data

Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
VoIP	• SIP and IMS SIP • G.711a/G.711u/G.722/G.729 Codec • Echo cancellation,VAD/CNG,DTMF Relay • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference • Line testing according to GR-909
Wireless	• Support Wireless AP mode • Support 802.11 b/g/n/ac • Support Multiple SSID • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM, 256QAM • Support EasyMesh protocol
QoS	• Support 4 queues • Support SP and WRR • Support 802.1P and DSCP
L3	• Support IPv4, IPv6 and IPv4/IPv6 dual stack • Support DHCP/PPPOE/Static • Support Static route • Support DHCP Server • Support NAT/DMZ/DDNS • Support Virtual Server
Security	• Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Product Name	Product Description	Accessories
HG323AC-B	2GE+1POTS+USB3.0+WiFi5	AC-DC power adaptor: DC12V/1.5A