



HG325AX

1XPON+4GE+1POTS+1USB3.0+WiFi6 HGU
 (The product is expected to be released in Q2 2022)



Key Features:



RTL9607C+
 RTL8832AR+RTL8192XAR
 WiFi6 Gig+ performance



Next-Gen Gigabit WiFi6
 2.4GHz & 5GHz Dual Band
 Speed up to 1.8 Gbps



IPv4/IPv6 Dual Stack



USB3.0 Interface
 For Shared
 Storage/Printer

Introduction:

4GE+1POTS+WiFi6 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 technology, which have high ratio of performance to price, and the technology of IEEE802.11b/g/n/ac/ax 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:



○ Hardware Parameter

Dimension	205mm×140mm×37mm(L×W×H)
Net weight	0.34Kg
Operating condition	Operating temp:0 ~ +55°C Operating humidity:5 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 90% (non-condensed)
Power adapter	DC 12V, 1.5A, external AC-DC power adaptor
Power supply	≤18W
Interface	1XPON+4GE+1POTS+USB3.0+WiFi6
Indicators	PWR,PON ,LOS,WAN,WiFi,FXS, ETH1~4,WPS,USB

○ Interface parameter

PON Interface	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 4×GE, Auto-negotiation,RJ45 ports • 1×POTS RJ11 Connector
Antenna	4 × 5dBi external antennas
USB	1×USB 3.0 for Shared Storage/Printer

○ Function Data

O&M	<ul style="list-style-type: none"> • WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of VSOL OLT
Internet connection	Support Routing Mode
Multicast	<ul style="list-style-type: none"> • IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
VoIP	<ul style="list-style-type: none"> • 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
WiFi	<ul style="list-style-type: none"> • Wi-Fi 6: 802.11a/n/ac/ax 5GHz & 802.11g/b/n/ax 2.4GHz • WiFi Encryption:WEP-64/WEP-128/WPA/WPA2/WPA3 • Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM • Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band
L2	802.1D&802.1ad bridge, 802.1p Cos,802.1Q VLAN
L3	IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS
Firewall	Anti-DDOS, Filtering Based on ACL/MAC /URL

Product Name	Product Description	Accessories
HG325AX	1XPON+4GE+1POTS+WiFi6	AC-DC power adaptor: DC12V / 1.5A