



HG325ACT

1*XPON+4GE+1POTS+WiFi 5+USB 3.0+CATV HGU ONT



Realtek Chipset
High Performance Solution



WiFi 5 Dual Band
1200Mbps



IPv4/IPv6 Dual Stack



Remote Control
CATV(with AGC) on/off



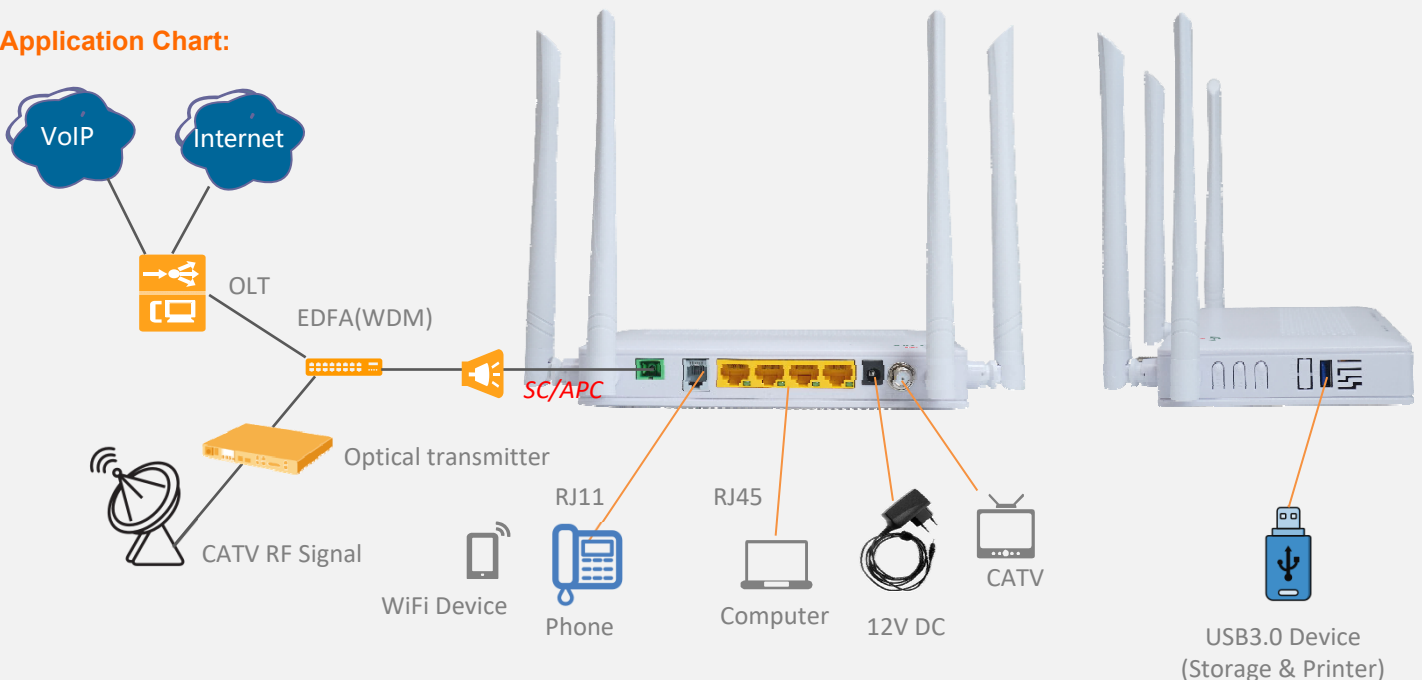
Introduction:

HG325ACT (4GE+1POTS+WiFi 5+USB3.0+CATV 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 IEEE802.11b/g/n/ac WiFi 5 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	178mm×120mm×30mm(L×W×H)
Net weight	0.42Kg
Operating condition	Operating temp: 0 ~ +55°C Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	Storing temp: -30 ~ +70°C Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC12V, 1.5A, external AC-DC power adaptor
Power supply	≤12W
Interface	4GE+1POTS+WiFi 5+USB 3.0+CATV
Indicators	POWER, LOS, PON, LAN1~4, 2.4G, 5.0G, USB0, USB1, PHONE

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> • 1XPON port(EPON PX20+ & GPON Class B+) • SC single mode, SC/APC 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 • 1*USB 3.0, for Shared Storage/Printer
WLAN interface	<ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n/ac • WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps, Multiple SSID • TX power: 2.4GHz: 23dBm; 5GHz: 24dBm • RX power: 2.4GHz: HT40-MCS7 -72dBm; 5GHz: VHT80 MCS9 <-62dBm
CATV interface	<ul style="list-style-type: none"> • RF, optical power: +2 to -18dBm • Optical reflection loss: ≥45dBm • Optical receiving wavelength: 1550±10nm • RF frequency range: 47~1000MHz, RF output impedance: 75Ω • RF output level(with AGC, option for 2 range):≥ 82dBuV@(+2~-10dBm) or ≥76dBuV@(+2~-12dBm) • MER: ≥32dB(-14dBm optical input), > 35(-10dBm)

○ Function Data

O&M	<ul style="list-style-type: none"> • OAM/OMCI, Telnet, WEB, TR069 • Support full management of HGU functions by VSOL OLT
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP, WRR, 802.1P and DSCP
Data Service Functions	<ul style="list-style-type: none"> • Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Support VLAN tag, untag, transparent, trunk, translation mode • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	<ul style="list-style-type: none"> • Integrated 802.11b/g/n/ac • Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM • EasyMesh
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
L3	<ul style="list-style-type: none"> • IPv4, IPv6 and IPv4/IPv6 dual stack • DHCP/PPPOE/Static • Static route, DHCP Server • NAT/DMZ/DDNS/Virtual Server
Security	<ul style="list-style-type: none"> • Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Ordering Information:

Product Name	Product Description	Accessories
HG325ACT	4GE+1POTS+WIFI 5+USB3.0+CATV	AC-DC power adaptor: DC12V/1.5A