HG323ACT

1*XPON+2GE+1POTS+WiFi 5+USB3.0+CATV HGU

Realtek Chipset
High Performance Solution

WiFi 5 Dual Band
1200Mbps

IPv4/IPv6 Dual Stack

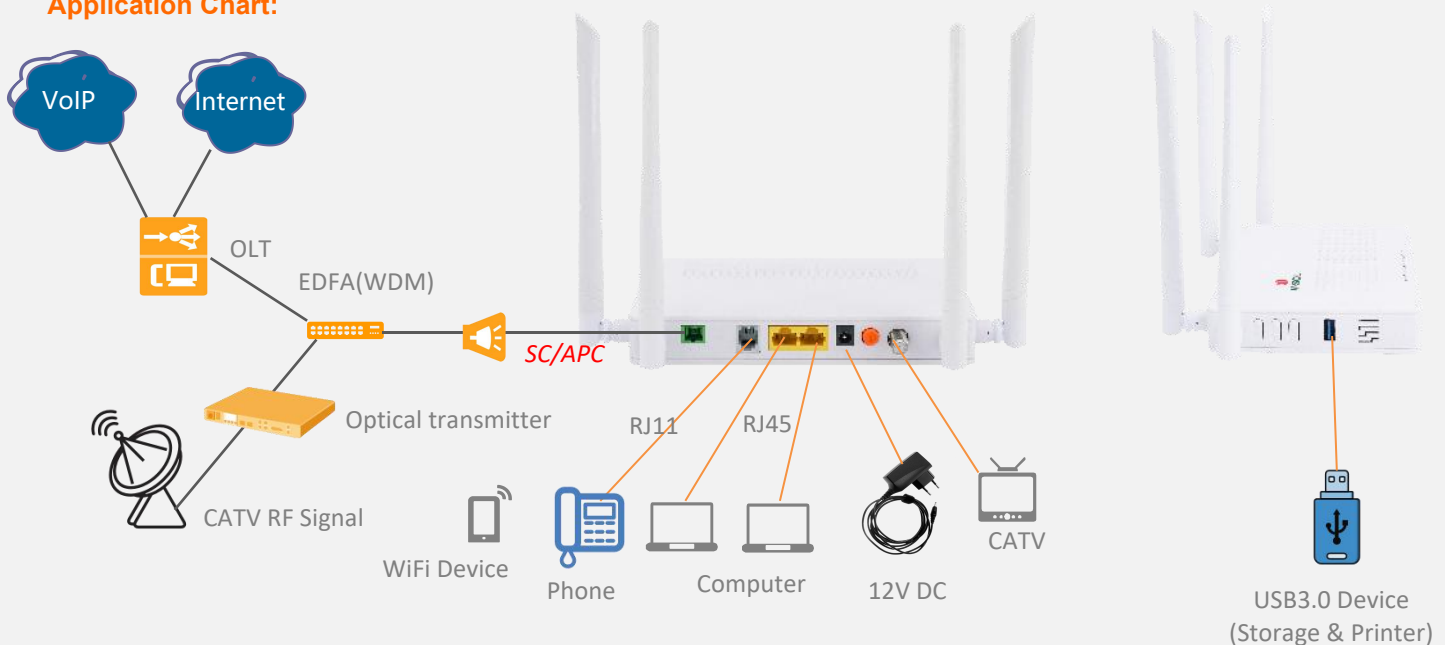Remote Control
CATV(with AGC) on/off

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Introduction:

HG323ACT(2GE+1POTS+WiFi 5+USB3.0+CATV XPON HGU) is based on the mature Chipset technology, which has high performance.

The HGU 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:

VoIP Internet

OLT

EDFA(WDM)

SC/APC

Optical transmitter

RJ11   RJ45

CATV RF Signal

WiFi Device

Phone   Computer   12V DC   CATV

USB3.0 Device
(Storage & Printer)

Hardware Parameter

Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.28Kg
Operating condition	Operating temp: 0 ~ +55°C Operating humidity:10 ~ 90%(non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC12V,1.5A, external AC-DC power adaptor
Power supply	≤10W
Interface	2GE+1POTS+WiFi 5+USB 3.0+CATV
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G, PHONE, CATV, USB 3.0

Interface parameter

PON interface	• 1XPON port(EPON PX20+ & 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
Optical interface	SC/APC connector
User interface	• 2*GE, Auto-negotiation, RJ45 ports • 1 POTS RJ11 Connector
USB interface	1*USB 3.0 for Shared Storage/Printer
WLAN interface	• 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: 11n--22dBm/11ac--24dBm
CATV interface	• RF, optical power: +2 to -18dBm • Oprical 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

Management	• OAM/OMCI,Telnet,WEB,TR069 • Support full management of HGU functions by VSOL OLT
Mode	Support bridge, router & bridge/router mixed mode
Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc • 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
Wireless	• 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
VoIP	• SIP and IMS SIP • G.711a/G.711u/G.722/G.729 Codec • Echo cancellation,VAD/CNG,DTMF • 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	• Support NAT, Firewall • Support IPv4/IPv6 dual stack
Other funtion	• Integrated OAM/OMCI remote configuration and maintenance function • Support rich QinQ VLAN functions and IGMP snooping multicast features

Ordering Information:

Product Name	Product Description	Accessories
HG323ACT	2GE+1POTS+WIFI 5+USB3.0+CATV	AC-DC power adaptor: DC12V/1.5A