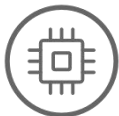




HG323RGWT

1*XPON+1GE+1FE+1POTS+WiFi 4+CATV 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



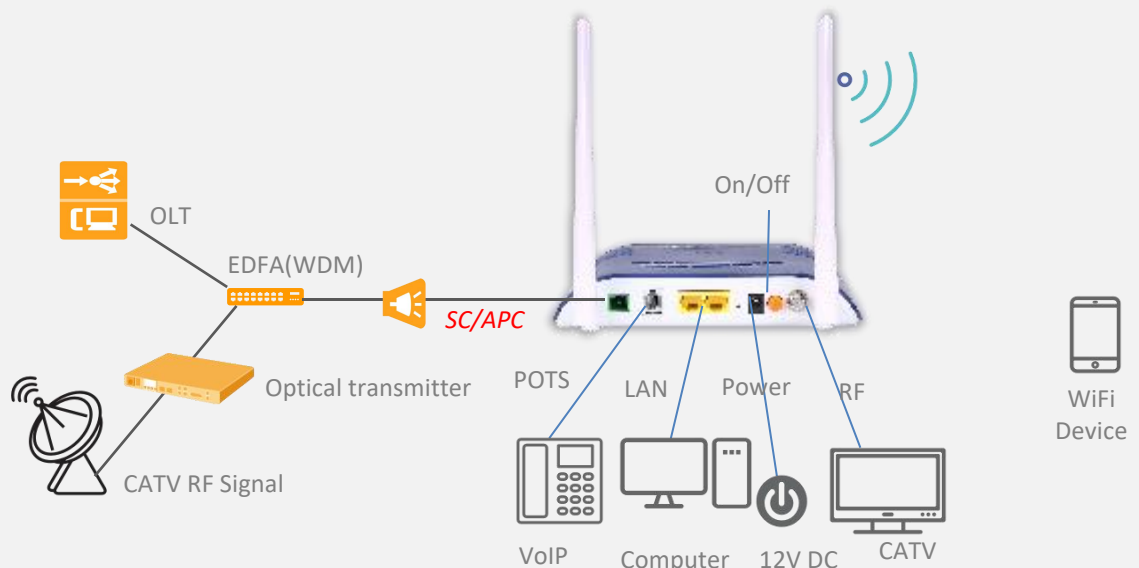
Remote Control
CATV with AGC

Introduction:

HG323RGWT (XPON 1GE+1FE+WiFi+CATV 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	• 0.315Kg
Operating condition	• Operating temp: 0 ~ +50°C • Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	• Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	• DC 12V/1A, external AC-DC power adaptor
Power supply	• ≤8W
Interfaces	• 1GE+1FE+1POTS+WiFi 4+CATV
Indicators	• PWR, LOS、GE、FE、FXS、CATV、WiFi

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> • 1 XPON port(EPON PX20+ and GPON Class B+) • SC/APC connector • TX optical power: 0 to +4 dBm(↑) • RX optical power: -8 to -28 dBm(↓) • Transmission distance: 20KM • Maximum transfer rate: 2.488Gbps(↓), 1.2488Gbps(↑) • RX wavelength: 1490nm(↓),1550nm(↓) • TX wavelength: 1310nm(↑)
WiFi interface	<ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n, • Operating frequency: 2.400-2.4835GHz • support MIMO, rate up to 300Mbps, • 2T2R,2 external antenna 5dBi, • Support: multiple SSID • Channel:13 • Modulation type: DSSS、CCK and OFDM • Encoding scheme: BPSK、QPSK、16QAM and 64QAM
CATV interface	<ul style="list-style-type: none"> • RF, optical power : +2~-18dBm • Optical reflection loss: ≥45dB • Optical receiving wavelength: 1550±10nm • RF frequency range: 47~1000MHz, RF output impedance: 75Ω • RF output level: ≥ 82dBuV (-7dBm optical input) • AGC range: +2~-7dBm/-4~-13dBm/-5~-14dBm • MER: ≥32dB(-14dBm optical input), >35(-10dBm)
User interface	<ul style="list-style-type: none"> • 1*GE+1FE,Auto-negotiation, RJ45 connectors • 1*POTS, RJ11 connectors

○ 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"> • 4K VLAN • VLAN tag, untag, transparent, trunk, translation mode
Multicast	<ul style="list-style-type: none"> • Max Multicast Group 64 • IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP, WRR, 802.1P and DSCP
L3	<ul style="list-style-type: none"> • DHCP/PPPOE/Static IP, NAT • DHCPv6 Server, IPv4/IPv6 Static route • IPv4/IPv6 dual stack
WiFi	<ul style="list-style-type: none"> • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Multiple SSID and SSID conceal • Wireless channel selection
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
CATV	Support CATV Rremote management
Security	<ul style="list-style-type: none"> • Flow & Storm control, Loop Detection • Filtering Based on ACL/MAC/URL
Management	<ul style="list-style-type: none"> • CTC OAM 2.1 and 3.0 • ITUT984.x OMCI • EMSWEB/Telnet/CLI and unified network management of VSOL OLT

Product Name	Product Description	Accessories
HG323RGWT	1GE+1FE+1POTS+WiFi 4+CATV	AC-DC power adaptor: DC12V/1A