



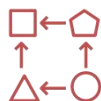
HG323RGWT

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

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



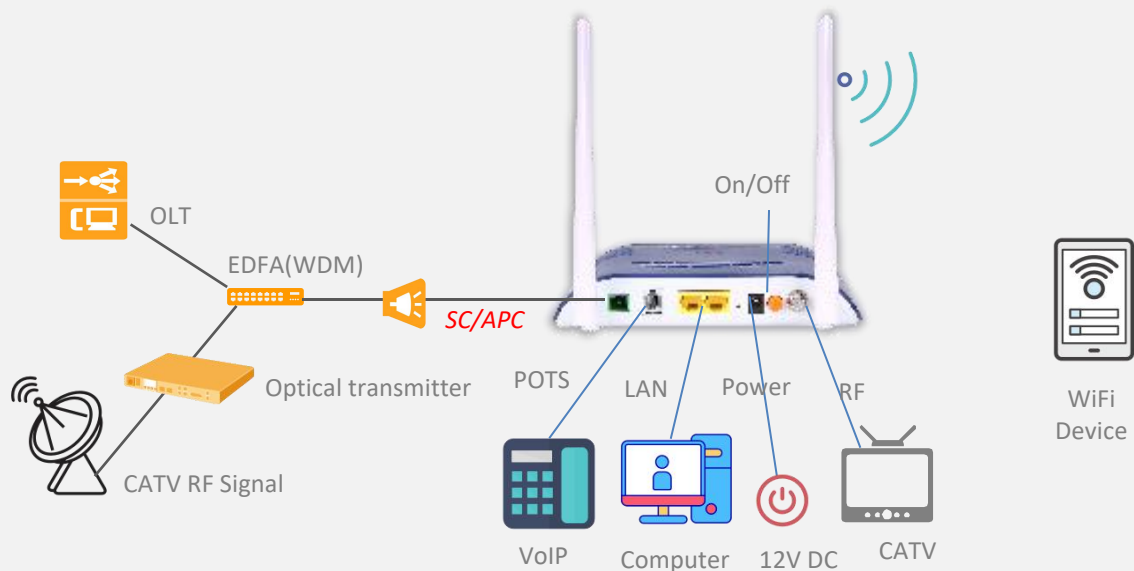
Remote Control
CATV with AGC



Introduction:

HG323RGWT XPON 1GE+1FE+WiFi+CATV HGU meets telecom operators FTTO (office), FTTD (Desk), FTTH (Home) broadband speed, SOHO broadband access, video surveillance and other requirements to design a XPON Gigabit Ethernet products. It is based on mature and stable, cost-effective XPON technology, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of IEEE802.3ah and ITU-TG.984.x, China Telecom EPON/GPON equipment technical requirements and other specifications.

Application Chart:



○ Hardware Parameter

Dimension	• 185mm×120mm×34m(L×W×H)
Net weight	• 0.29Kg
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/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	• 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	• 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
LAN interface	• 1 x 10/100/1000Mbps and 1 x 10/100Mbps auto adaptive Ethernet interfaces. Full/Half, RJ45 connector
POTS interface	• 1 FXS, RJ11 connectors • Support: G.711/G.723/G.726/G.729 codec • Support: T.30/T.38/G.711 Fax mode, DTMF Relay • Line testing according to GR-909

○ Interface Parameter

CATV interface	• 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)
----------------	---

○ Function Data

EPON/GPON mode	• Dual Mode , Can access EPON/GPON OLTs(HUAWEI、ZTE、FiberHome, etc).
Software mode	• Bridging and Routing Mode.
Layer2	• 802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN.
Layer3	• IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ ,DDNS.
Multicast	• IGMPv1/v2/v3 , IGMP snooping.
Security	• Flow & Storm control, Loop Detection.
WiFi	• IEEE802.11b/g/n (TX power:17dBm/16dBm/15dBm),Up to 300Mbps • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES).
POTS	• VoIP protocol: SIP、IMS-SIP • Voice enhancement: • Local exchange • Dynamic voice jitter buffering • Silence detection • Echo offset • Loss compensation
Firewall	• Filtering Based on ACL/MAC/URL.
O&M	• WEB/TELNET/OAM/OMCI/TR069, Support private OAM/OMCI protocol 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