

HG3110AX

10G PON+1*2.5GE+3*GE+1*POTS+1*USB3.0+WiFi 6 HGU ONT
(XG-PON)

Key Features:



10G PON Solution
Realtek Chipset



Next-Gen Gigabit WiFi6
2.4GHz & 5GHz Dual Band
Speed up to 3 Gbps



IPv4/IPv6 Dual Stack



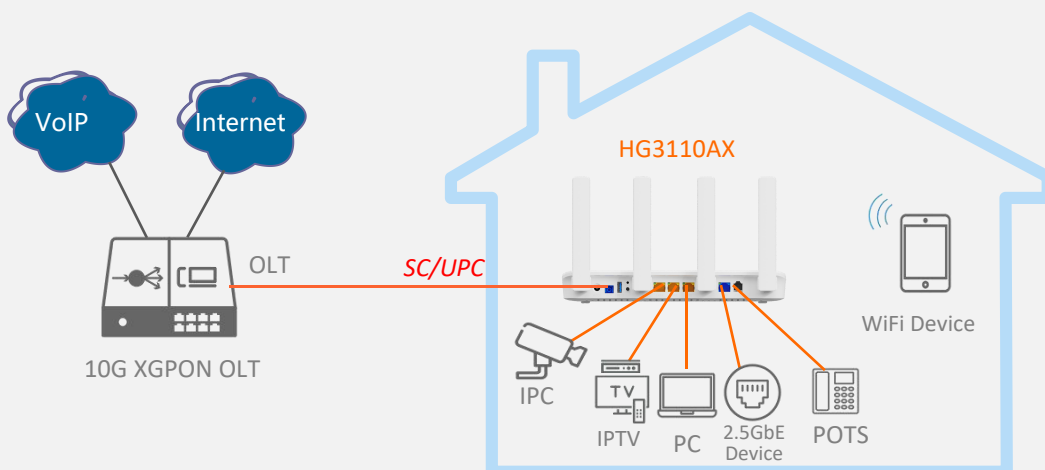
USB3.0 Interface

Introduction:

Leveraged the latest WiFi 6 (AX3000) technology and equipped with ITU-T G.987 (XG-PON) PON interface and IEEE802.11ax (WiFi 6) interface, V-SOL 10G PON HGU HG3110AX supports the full Triple Play of services enabling Data, Voice and Video services through Ethernet, Wi-Fi, FXS and USB standard interfaces, help Internet Service Providers to deliver internet service more than 2.5Gbps which is limited by GPON.

HG3110AX built-in Ethernet LAN ports, one 2.5GE BASE-T port and 3x1GE BASE-T ports support ultrafast device connection, and includes powerful and enhanced WLAN interface based on MU-MIMO OFDMA 2x2 2.4GHz MIMO and 5Ghz 2x2 MIMO Wi-Fi antennas supporting 802.11a/b/g/n/ac/ax standards over 2.4GHz and 5GHz wireless frequency bands for Internet application such as video, email, web surfing, files upload/download and online gaming, and it provides VoIP service through POTS port.

Application Chart:



○ Hardware Parameter

Dimension	244mm*131mm*36mm (L*W*H)
Net weight	425g
Operating condition	Operating temp:-10 ~ +55°C Operating humidity:5 ~ 95% (non-condensed)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensed)
Power adapter	12V/2A
Power supply	24W
Interface	1*2.5GE+3*GE+1*POTS+1*USB3.0+WiFi 6
Indicators	PON/LOS, WAN, USB, PHONE, WIFI

○ Interface parameter

PON Interface	<ul style="list-style-type: none"> • 10G PON port: Class B+ • SC single mode, SC/UPC connector • TX optical power: 4dBm(XG-PON) • RX sensitivity: -29.5dBm • Overload optical power: -7dBm • Transmission distance: 20km • Wavelength: <ul style="list-style-type: none"> • XG(S)-PON:DS 1577nm/US 1270nm
10G PON layer	<ul style="list-style-type: none"> • ITU-T G.987(XG-PON)
User interface	<ul style="list-style-type: none"> • 1*2.5GE, Auto-negotiation,RJ45 ports • 3*GE, Auto-negotiation,RJ45 ports • 1*POTS, RJ11 Connector • 1*USB3.0
Antenna	2*4dBi (2.4GHz) 2*5dBi (5GHz) external antennas
USB	1×USB 3.0 for Shared Storage

○ 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 OLT
Internet connection	Support Bridge/Router 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 • Support WIFI Easy-mesh function
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
HG3110AX-XG	1*2.5GE+3*GE+1*POTS+USB3.0+WiFi 6(AX3000)	AC-DC power adaptor: DC12V / 2A