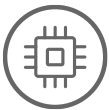


## HG3110AX

XGS-PON+1\*2.5GE+3\*GE+1\*POTS+1\*USB3.0+WiFi 6 HGU ONT  
(PON is 10G EPON or XG-PON or XGS-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



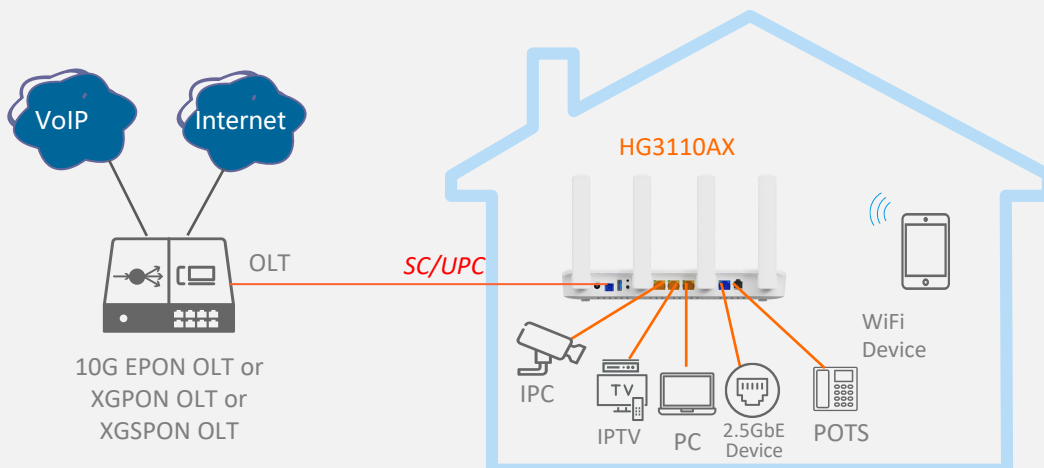
USB3.0 Interface  
For Shared  
Storage/Printer

### Introduction:

Leveraged the latest WiFi 6(AX3000) technology and equipped with IEEE 802.3av(10G-EPON)/ITU-T G.987(XG-PON)/ITU-T G.9807.1 (XGS-PON) PON interface and IEEE802.11ax(WiFi 6) interface, V-SOL XGS-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:0 ~ +55°C Operating humidity:5 ~ 90% (non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 90% (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"> <li>• 10G PON port: Class B+</li> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 8dBm</li> <li>• RX sensitivity: -29.5dBm</li> <li>• Overload optical power: -7dBm</li> <li>• Transmission distance: 20km</li> <li>• Wavelength: <ul style="list-style-type: none"> <li>• 10G EPON: DS 1577nm/US 1310nm</li> <li>• XG(S)-PON:DS 1577nm/US 1270nm</li> </ul> </li> </ul>
10G PON layer	<ul style="list-style-type: none"> <li>• IEEE 802.3av(10G-EPON)</li> <li>• ITU-T G.987(XG-PON)</li> <li>• ITU-T G.9807.1 (XGS-PON)</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*2.5GE, Auto-negotiation,RJ45 ports</li> <li>• 3*GE, Auto-negotiation,RJ45 ports</li> <li>• 1*POTS, RJ11 Connector</li> <li>• 1*USB3.0</li> </ul>
Antenna	4 × 5dBi external antennas
USB	1×USB 3.0 for Shared Storage/Printer

## ○ Function Data

O&M	<ul style="list-style-type: none"> <li>• WEB/TELNET/OAM/OMCI/TR069</li> <li>• Support private OAM/OMCI protocol and Unified network management of VSOL OLT</li> </ul>
Internet connection	Support Bridge/Router mode
Multicast	<ul style="list-style-type: none"> <li>• IGMP v1/v2/v3, IGMP snooping</li> <li>• MLD v1/v2 snooping</li> </ul>
VoIP	<ul style="list-style-type: none"> <li>• SIP and IMS SIP</li> <li>• G.711a/G.711u/G.722/G.729 Codec</li> <li>• Echo cancellation,VAD/CNG,DTMF Relay</li> <li>• T.30/T.38 FAX</li> <li>• Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference</li> <li>• Line testing according to GR-909</li> </ul>
WIFI	<ul style="list-style-type: none"> <li>• Wi-Fi 6: 802.11a/n/ac/ax 5GHz &amp; 802.11g/b/n/ax 2.4GHz</li> <li>• WiFi Encryption:WEP-64/WEP-128/WPA/WPA2/WPA3</li> <li>• Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM</li> <li>• Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band</li> <li>• Support WIFI Easy-mesh function</li> </ul>
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	1*2.5GE+3*GE+1*POTS+USB3.0+WiFi 6	AC-DC power adaptor: DC12V / 2A