

ONT: 4GE+1USB+WIFI6

MODELO: G24X



G24X

1XPON+4LAN+1USB3.0+WiFi6 HGU ONT

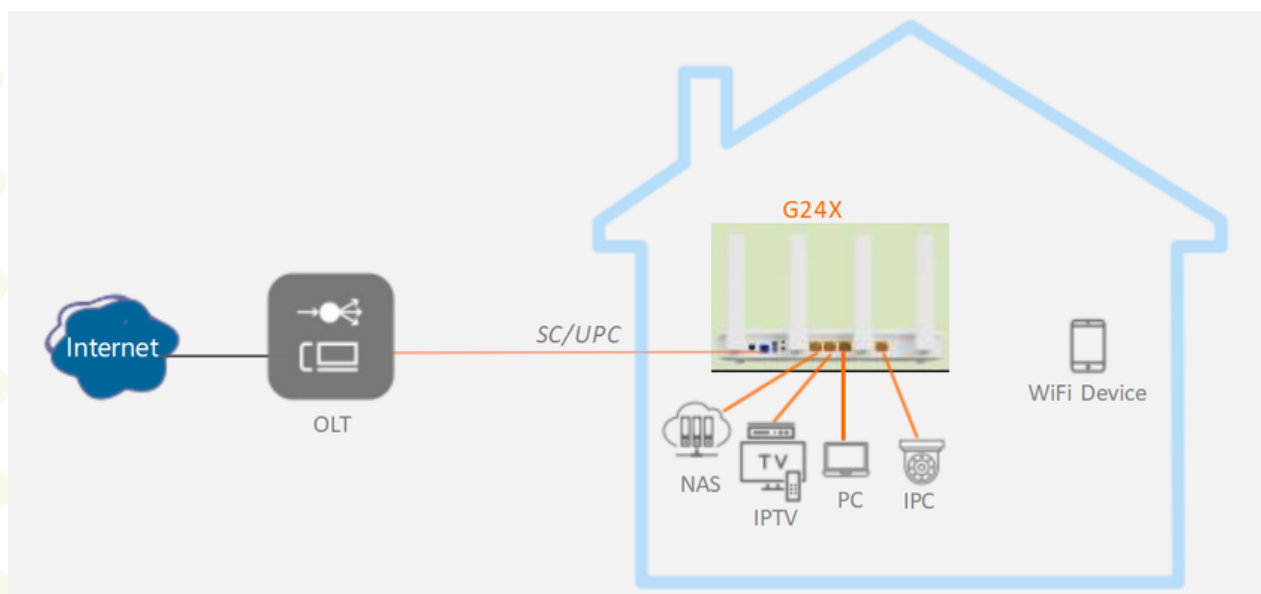
(Wifi speed is AX1500 or AX1800 or AX3000 optional.)

Introduction:

G24X (WiFi6 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH. The ONT is based on high-performance chip solutions , supports XPON dual-mode technology (EPON and GPON) , and also supports IEEE802.11b/g/n/ac/ax WiFi 6 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 OEM 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:



Product Specification

○ Hardware Parameter

Dimension	250mm×145mm×36mm(L×W×H)
Net weight	0.34Kg
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	DC 12V, 1.0A (AX1500,AX1800), DC 12V, 1.5A (AX3000), external AC-DC power adaptor
Power supply	≤12W (AX1500,AX1800) ≤18W (AX3000)
Interface	AX1500,AX1800: 1*XPON+4*GE+1*USB3.0+WiFi6 AX3000: 1*XPON+1*2.5GbE+3*GE+1*USB3.0+WiFi6
Indicators	PWR,PON ,LOS,WAN,WiFi, ETH1~4,WPS,USB

○ Interface parameter

PON Interface	• 1XPON port(EPON PX20+ and 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 • Frequency band: 2400-2483.5 MHz, 5150-5250 MHz • Transmit power: 19 dBm max. (2.4 GHz); 23 dBm max. (5 GHz)
User interface	• 4*GE(or AX3000: 1*2.5GbE+3*GE) , Auto-negotiation, RJ45 ports
Antenna	4 × 5dBi external antennas
USB	1×USB 3.0 for shared storage/printer

○ Function Data

O&M	• WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of LANLY OLT
Internet connection	Support Routing Mode
Multicast	• IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
WIFI	• Wi-Fi 6: AX1500: 802.11a/n/ac/ax 5GHz & 802.11g/b/n 2.4GHz , AX1800,AX3000: 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
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
G24X	1*XPON+4*GE+1*USB+WiFi6 (AX1500)	AC-DC power adaptor: DC12V / 1.5A