

ONT: 4GE+1USB+CATV+WIFI6

MODELO: G24XT



G24XT

1XPON+4GE+1USB3.0+CATV+WIFI6 HGU ONT

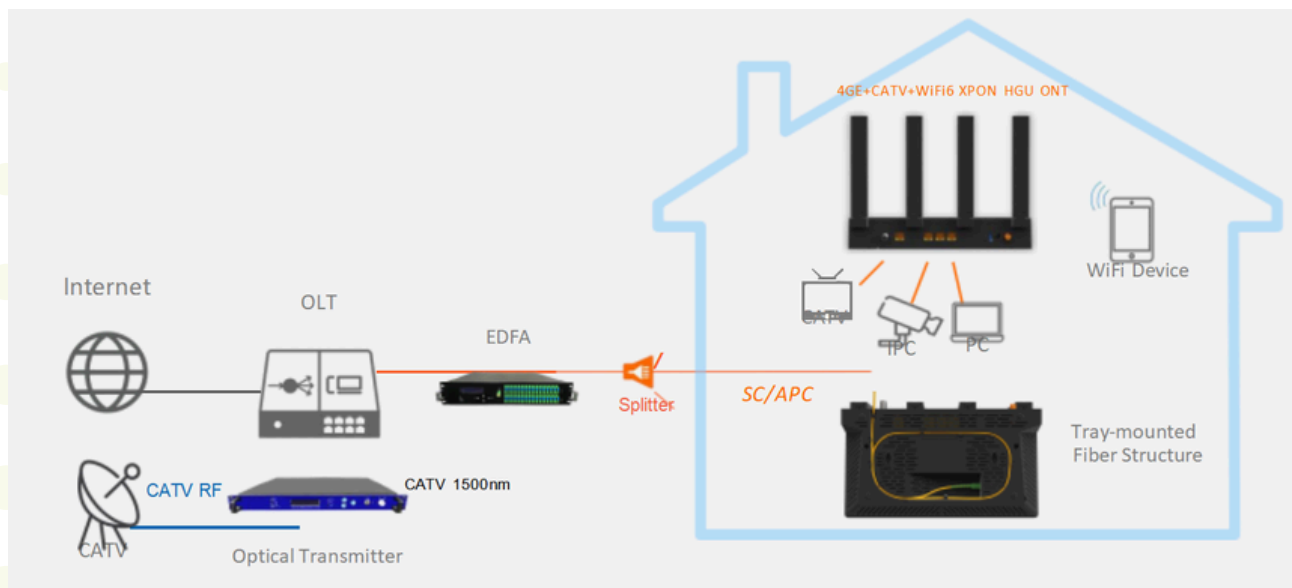
(Wifi speed is AX1500 or AX1800 or AX3000 optional.)

Introduction:

4GE+CATV+WiFi6 XPON HGU ONT is a broadband access device designed to meet the demands of fixed network operators for FTTH.

This ONT is based on a high-performance chip solution, supporting XPON dual-mode technology (EPON and GPON). With WiFi speeds of up to 1500Mbps , it also supports IEEE 802 . 11b/g/n/ac/ax WiFi 6 technology and other Layer 2/Layer 3 features , providing data services for carrier-grade FTTH applications . In addition , this ONT supports OAM/OMCI protocols , allowing configuration and management of various services on the OEM OLT, making it easy to manage and maintain, and ensuring QoS for various services. It complies with international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



Product Specification

Hardware Parameter

Dimension	260.4mm×157.4mm×45.8mm(L×W×H)
Net weight	0.45Kg
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	DC 12V, 1.5A, external AC-DC power adaptor
Power supply	≤18W
Interface	1XPON+4GE+1USB3.0+CATV+WiFi6
Indicators	PWR ,PON ,LOS ,WAN ,LAN1~4 ,2.4G ,5G , WPS ,USB ,CATV

Interface parameter

PON Interface	<ul style="list-style-type: none"> • 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/APC connector • TX optical power: 0~+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
User interface	• 4 × GE, Auto-negotiation,RJ45 ports
Antenna	4 × 5dBi external antennas
CATV interface	<ul style="list-style-type: none"> • Optical receiving wavelength: 1550±10nm • Optical input range: +2~-18dBm • Optical reflection loss: ≥40dB • RF frequency range: 47 ~ 1000MHz • RF output impedance: 75Ω • RF output level and AGC range: <ul style="list-style-type: none"> ≥81±2dBuv@+1~- 10dBm ≥79±2dBuv@ 0~- 11dBm ≥77±2dBuv@- 1~- 12dBm ≥75±2dBuv@-2~- 13dBm ≥73±2dBuv@-3~- 14dBm ≥71±2dBuv@-4~- 15dBm • MER: ≥32dB(- 14dBm optical input)

Function Data

O&M	<ul style="list-style-type: none"> • WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol
Internet connection	Support Routing Mode
Multicast	<ul style="list-style-type: none"> • IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
WIFI	<ul style="list-style-type: none"> • WiFi6:802. 11a/n/ac/ax 5GHz • WiFi4: 802. 11g/b/n 2.4GHz • WiFi: 2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.5Gbps, Multiple SSID • 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

Model	Product Description	Accessories
G24XT	1XPON+4 GE+1 USB3.0+CATV+WiFi6	AC-DC power adaptor: DC12V / 1.5A