ONT: 1GE+3FE+WIFI 4

MODELO   G24W

Key Features:

Realtek Chipset
High Performance Solution

XPON Dual Mode
Automatically Access to
EPON/GPON

WiFi IEEE802.11b/g/n
2T2R 5dBi Antenna

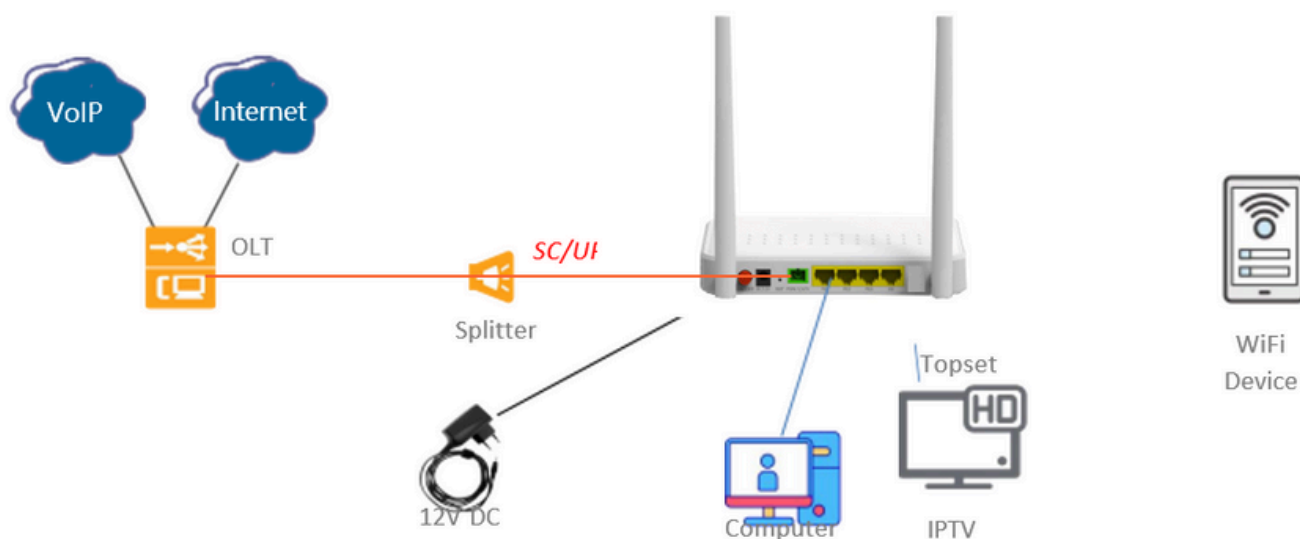Powerful Firewall

Introduction:

G24W (1GE+3FE+WiFi 4 XPON ONT) is a broadband access device specially designed to meet the needs of telecom operators for FTTO (Office), FTTD (Desktop), FTTH (Home), SOHO access, and video surveillance access.

The ONT is based on high-performance chip solutions , supports XPON dual-mode technology (EPON and GPON) , and also supports IEEE802.11b/g/n WIFI 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 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 standardssuch as IEEE802.3ah and ITU-T G.984.

Application Chart:

○ Hardware Parameter

Dimension	185mm×120mm×34mm(L×W×H)
Net weight	0.24Kg
Operating condition	• Operating temp: -10 ~ +55。C • Operating humidity: 5 ~ 95% (non-condensing)
Storing condition	• Storing temp: -40 ~ +70。C • Storing humidity : 5 ~ 95% (non-condensing)
Power adapter	DC 12V, 1A, external AC-DC power adaptor
Power supply	≤6W
Interfaces	1GE+3FE+WiFi 4
Indicators	PWR, LOS, REG, LAN1~LAN4, WIFI, WAN, Pair

○ 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: 20 KM • Wavelength: TX 1310nm, RX 1490nm
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
User interface	1*GE+ 3*FE, Auto-negotiation RJ45 ports

PON mode	XPON Dual Mode , Can access mainstream EPON/GPON OLTs
Uplink Mode	Bridging and Routing Mode
Alarm	Support Dying Gasp, Port Loop Detect and Eth Port Los
VLAN	• 4K VLAN • VLAN tag, untag, transparent, trunk, translation mode
Multicast	• Max Multicast Group 64 • IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	• Support 4 queues • Support SP, WRR, 802.1P and DSCP
L3	• DHCP/PPPOE/Static IP, NAT • DHCPv6 Server, IPv4/IPv6 Static route • IPv4/IPv6 dual stack
WiFi	• Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Multiple SSID and SSID conceal • Wireless channel selection
Security	• Flow & Storm control, Loop Detection • Filtering Based on ACL/MAC/URL
Management	• CTC OAM 2.1 and 3.0 • ITUT984.x OMCI • EMS\WEB\Telnet\CLI and unified network management of lanly OLT

Product Name	Product Description	Accessories
G24W	1GE+3FE+WiFi 4	AC-DC power adaptor: DC12V/1A