



V2802RGW

1*XPON+1GE+1FE+WiFi 4 ONT

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

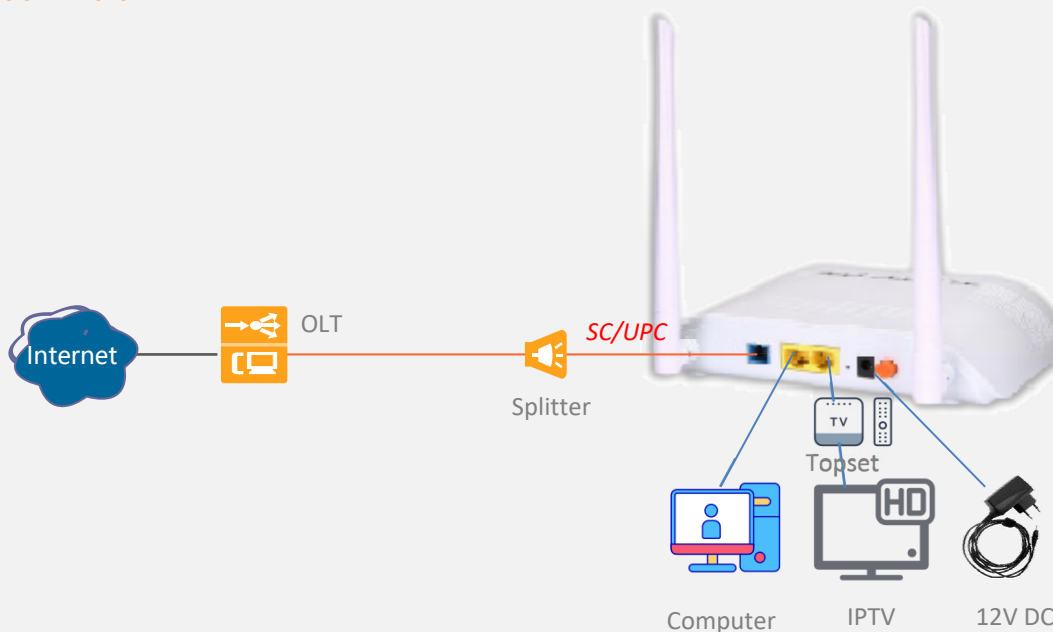


Introduction:

V2802RGW(1GE+1FE+WiFi 4 XPON ONT) is specially designed for different FTTH solutions. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n WIFI technology and other Layer 2/Layer 3 functions, and can provide data services for carrier-grade FTTH applications.

The ONT has high reliability and is easy to manage and maintain. It has QoS guarantees for different services. It complies with the China Telecom CTC2.1/3.0 and international technical standards such as IEEE802.3ah, ITU-T G.984, etc.

Application Chart:



○ Hardware Parameter

Dimension	185mm×120mm×34mm (L×W×H)
Net weight	0.24Kg
Operating condition	<ul style="list-style-type: none"> • Operating temp: 0 ~ +50°C • Operating humidity: 10 ~ 90% (non-condensing)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensing)
Power adapter	DC 12V, 1A, external AC-DC power adaptor
Power supply	≤7W
Interfaces	1GE+1FE+WiFi4
Indicators	POWER、LOS、PON、GE、FE、WiFi

○ Interface Parameter

PON interface	<ul style="list-style-type: none"> • 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
WIFI interface	<ul style="list-style-type: none"> • 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+1*FE,Auto-negotiation RJ45 ports

○ Function Data

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	<ul style="list-style-type: none"> • 4K VLAN • VLAN tag, untag, transparent, trunk, translation mode
Multicast	<ul style="list-style-type: none"> • Max Multicast Group 64 • IGMPv1/v2/v3/Proxy/Snooping, MLD v1/v2
QoS	<ul style="list-style-type: none"> • Support 4 queues • Support SP, WRR, 802.1P and DSCP
L3	<ul style="list-style-type: none"> • DHCP/PPPOE/Static IP, NAT • DHCPv6 Server, IPv4/IPv6 Static route • IPv4/IPv6 dual stack
WiFi	<ul style="list-style-type: none"> • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Multiple SSID and SSID conceal • Wireless channel selection
Security	<ul style="list-style-type: none"> • Flow & Storm control, Loop Detection • Filtering Based on ACL/MAC/URL
Management	<ul style="list-style-type: none"> • CTC OAM 2.1 and 3.0 • ITUT984.x OMCI • EMS\WEB\Telnet\CLI and unified network management of VSOL OLT

Product Name	Product Description	Accessories
V2802RGW	1GE+1FE+WiFi4	AC-DC power adaptor: DC12V/1A