



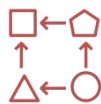
## V2802GW

1\*XPON+1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4 ONT

### Key Features:



High Performance Solution



XPON Dual Mode  
Automatically Access to  
EPON/GPON



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



Powerful Firewall

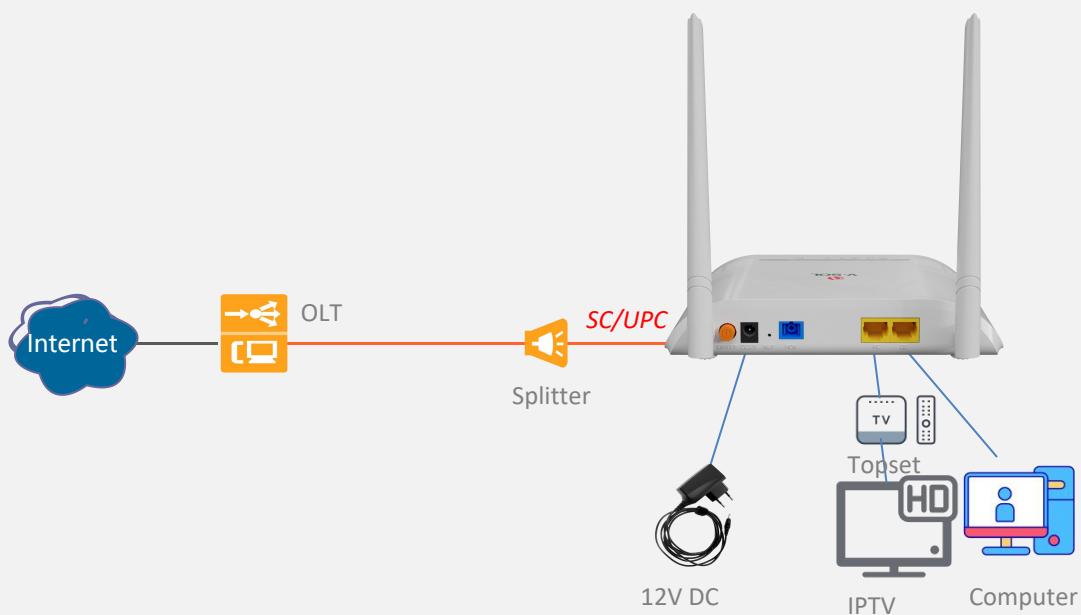


### Introduction:

V2802GW(1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4 XPON ONT) is specially designed for different FTTH solutions. The ONT is based on a high-performance chipset 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"> <li>• Operating temp: -10 ~ +55°C</li> <li>• Operating humidity: 5 ~ 95% (non-condensing)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>• Storing temp: -40 ~ +70°C</li> <li>• Storing humidity: 5 ~ 95% (non-condensing)</li> </ul>
Power adapter	DC 12V, 1A, external AC-DC power adaptor
Power supply	≤7W
Interfaces	1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4
Indicators	POWER、LOS、PON、GE、FE、Wi-Fi

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>• 1XPON port(EPON PX20+ and GPON Class B+)</li> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 0~+4dBm</li> <li>• RX sensitivity: -27dBm</li> <li>• Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>• Transmission distance: 20KM</li> <li>• Wavelength: TX 1310nm, RX1490nm</li> </ul>
WIFI interface	<ul style="list-style-type: none"> <li>• Compliant with IEEE802.11b/g/n,</li> <li>• Operating frequency: 2.400-2.4835GHz</li> <li>• support MIMO, rate up to 300Mbps,</li> <li>• 2T2R,external antennas,</li> <li>• Support: multiple SSID</li> <li>• Channel:13</li> <li>• Modulation type: DSSS、CCK and OFDM</li> <li>• Encoding scheme: BPSK、QPSK、16QAM and 64QAM</li> </ul>
User interface	<ul style="list-style-type: none"> <li>• 1*GE+1*FE,Auto-negotiation RJ45 ports</li> <li>• LAN1 supports WAN mode</li> </ul>

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

Product Name	Product Description	Accessories
V2802GW	1GE(WAN/LAN1)+1FE(LAN)+Wi-Fi 4	AC-DC power adaptor: DC12V/1A