



# V2802ACT

1\*XPON+2GE+WiFi 5+USB 3.0+CATV ONT

### Key Features:

- XPON Dual Mode
- Support EasyMesh protocol
- IPv4/IPv6 Stack
- WiFi 5 Dual Band 1200Mbps

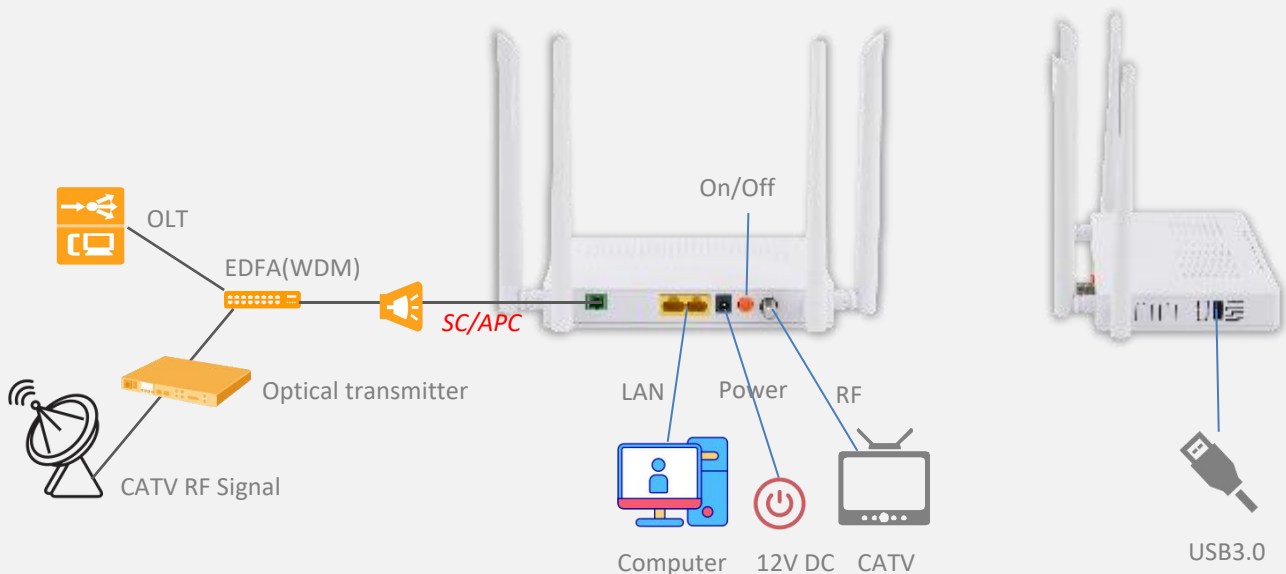


### Introduction:

V2802ACT (2GE+WiFi5+CATV XPON ONT) is designed to meet the FTTH and triple play service requirements of fixed network operators. The ONT is based on a high-performance chipset (Realtek) technology solution, supporting IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions. The ONT supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONU 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	178mm×120mm×30mm(L×W×H)
Net weight	0.28Kg
Operating condition	<ul style="list-style-type: none"> <li>Operating temp: 0 ~ +55°C</li> <li>Operating humidity: 10 ~ 90% (non-condensing)</li> </ul>
Storing condition	<ul style="list-style-type: none"> <li>Storing temp: -30 ~ +60°C</li> <li>Storing humidity: 10 ~ 90% (non-condensing)</li> </ul>
Power adapter	DC 12V,1A, external AC-DC power adaptor
Power supply	≤12W
Interfaces	2GE+WiFi5+CATV+USB3.0
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G, CATV, USB

## ○ Interface Parameter

PON interface	<ul style="list-style-type: none"> <li>1 XPON port(EPON PX20+ &amp; GPON Class B+)</li> <li>SC single mode, SC/APC 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>TX wavelength: 1310nm</li> <li>RX wavelength: 1490nm, 1550nm(CATV)</li> </ul>
User interface	<ul style="list-style-type: none"> <li>2*GE,Auto-negotiation,RJ45 ports</li> <li>1*USB3.0 For Printer&amp;Storage</li> </ul>
CATV interface	<ul style="list-style-type: none"> <li>Optical receiving wavelength: 1550±10nm</li> <li>RF frequency range: 47~1000MHz</li> <li>Optical power input range: 0~-3dBm</li> <li>RF output impedance: 75Ω</li> <li>RF output level: 50~60dBuV(0~-3dBm optical input with AGC)</li> <li>MER: ≥32dB(-3dBm optical input)</li> </ul>
WIFI interface	<ul style="list-style-type: none"> <li>Compliant with IEEE802.11b/g/n/ac</li> <li>WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps,Multiple SSID</li> <li>TX power: 2.4GHz: 23dBm; 5GHz: 24dBm</li> <li>RX power: 2.4GHz: HT40-MCS7 -72dBm; 5GHz: VHT80 MCS9 &lt;-62dBm</li> </ul>

## ○ Function Data

O&M	<ul style="list-style-type: none"> <li>OAM/OMCI,Telnet,WEB,TR069</li> <li>Support full management of HGU functions by VSOL OLT</li> </ul>
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	<ul style="list-style-type: none"> <li>Support 4 queues</li> <li>Support SP, WRR, 802.1P and DSCP</li> </ul>
Data Service Functions	<ul style="list-style-type: none"> <li>Full speed non-blocking switching</li> <li>2K MAC address table</li> <li>64 full range VLAN ID</li> <li>Support VLAN tag, untag, transparent, trunk, translation mode</li> <li>Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc</li> <li>Support auto polarity detection of Ethernet ports (AUTO MDIX)</li> <li>Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy</li> </ul>
Wireless	<ul style="list-style-type: none"> <li>Integrated 802.11b/g/n/ac</li> <li>Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)</li> <li>Modulation type:DSSS,CCK and OFDM</li> <li>Encoding scheme:BPSK,QPSK,16QAM and 64QAM</li> <li>Easymesh</li> </ul>
L3	<ul style="list-style-type: none"> <li>IPv4, IPv6 and IPv4/IPv6 dual stack</li> <li>DHCP/PPPOE/Static</li> <li>Static route, DHCP Server</li> <li>NAT/DMZ/DDNS/Virtual Server</li> </ul>
Security	<ul style="list-style-type: none"> <li>Support Firewall</li> <li>Support Mac filter Based on MAC or URL</li> <li>Support ACL</li> </ul>

### Ordering Information:

Product Name	Product Description	Accessories
V2802ACT	2GE+WiFi 5+USB 3.0+CATV	12V/1A DC Adapter