



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

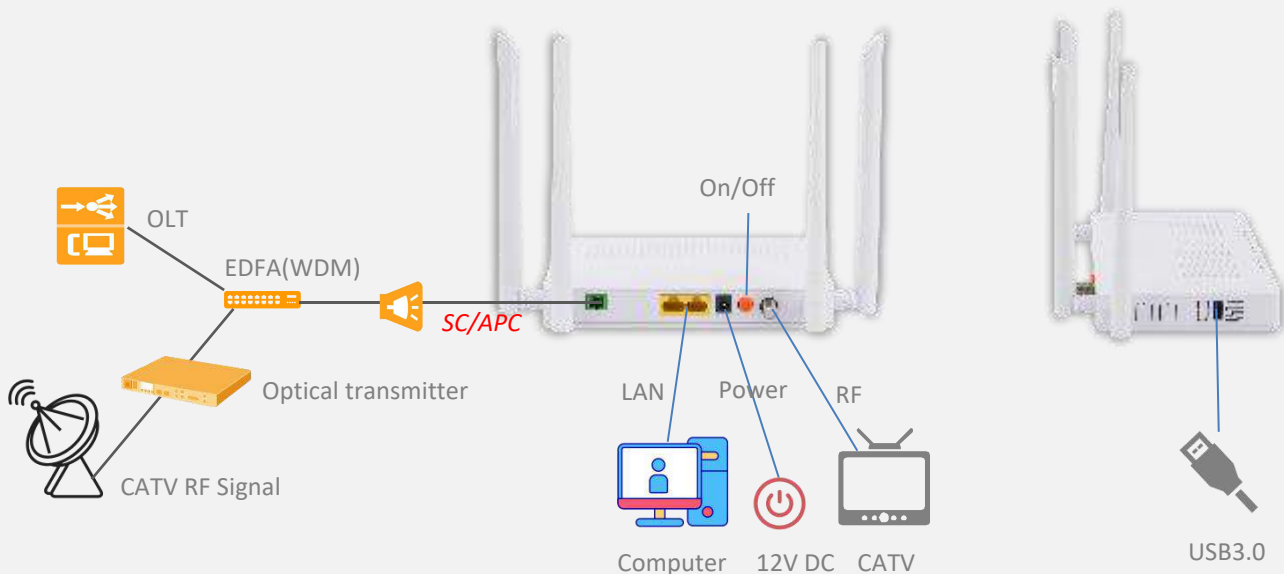


Introduction:

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"> Operating temp: 0 ~ +55°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	≤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"> 1 XPON port(EPON PX20+ & 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 TX wavelength: 1310nm RX wavelength: 1490nm, 1550nm(CATV)
User interface	<ul style="list-style-type: none"> 2*GE,Auto-negotiation,RJ45 ports 1*USB3.0
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)
WIFI interface	<ul style="list-style-type: none"> Compliant with IEEE802.11b/g/n/ac WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps,Multiple SSID TX power: 2.4GHz: 23dBm; 5GHz: 24dBm RX power: 2.4GHz: HT40-MCS7 -72dBm; 5GHz: VHT80 MCS9 <-62dBm

○ Function Data

O&M	<ul style="list-style-type: none"> OAM/OMCI,Telnet,WEB,TR069 Support full management of HGU functions by VSOL OLT
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	<ul style="list-style-type: none"> Support 4 queues Support SP, WRR, 802.1P and DSCP
Data Service Functions	<ul style="list-style-type: none"> Full speed non-blocking switching 2K MAC address table 8 full range VLAN ID Support VLAN tag, untag, transparent, trunk, translation mode Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc Support auto polarity detection of Ethernet ports (AUTO MDIX) Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	<ul style="list-style-type: none"> Integrated 802.11b/g/n/ac Authentication:WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) Modulation type:DSSS,CCK and OFDM Encoding scheme:BPSK,QPSK,16QAM and 64QAM Easymesh
L3	<ul style="list-style-type: none"> IPv4, IPv6 and IPv4/IPv6 dual stack DHCP/PPPOE/Static Static route, DHCP Server NAT/DMZ/DDNS/Virtual Server
Security	<ul style="list-style-type: none"> Support Firewall Support Mac filter Based on MAC or URL Support ACL

Ordering Information:

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