



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

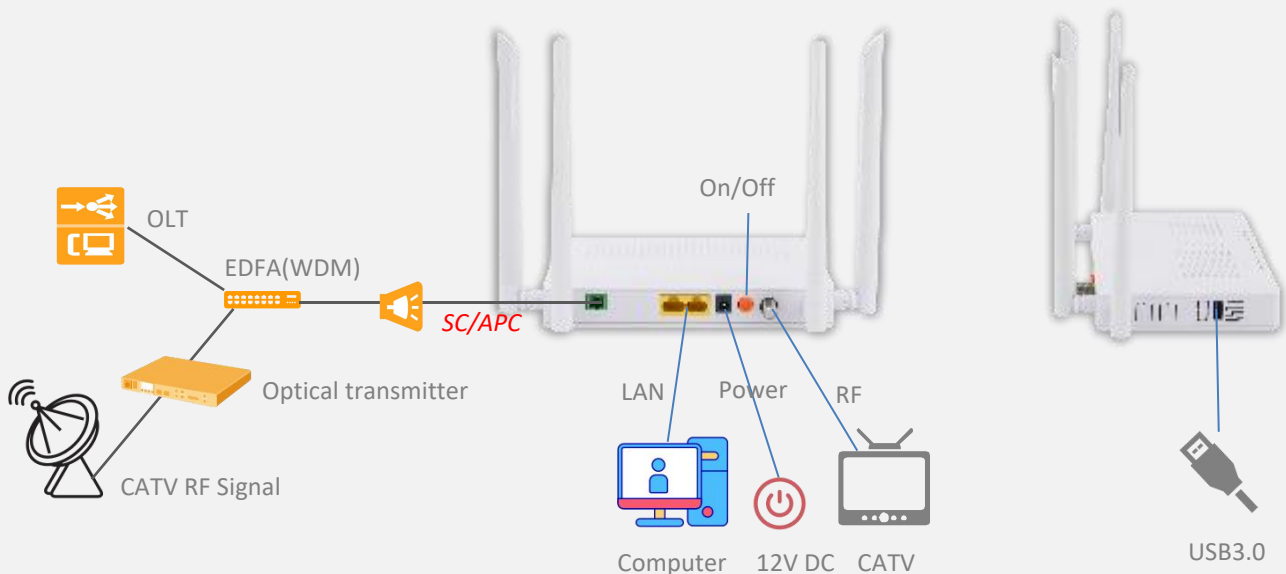


Introduction:

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×30m(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-condensed)
Storing condition	<ul style="list-style-type: none"> • Storing temp: -30 ~ +60°C • Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V,1.5A, 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)
CATV interface	<ul style="list-style-type: none"> • Optical receiving wavelength: 1550±10nm • RF frequency range: 47~1000MHz • Optical power input range: 0~-3dBm • RF output impedance: 75Ω • RF output level: 50~60dBuV(0~-3dBm optical input with AGC) • MER: ≥32dB(-3dBm optical input)
WIFI interface	<ul style="list-style-type: none"> • Compliant with IEEE802.11b/g/n/ac • 2.4GHz Operating frequency: 2.400-2.483GHz • 5.0GHz Operating frequency: 5.150-5.825GHz • WiFi: 2.4GHz(2T2R), 5.8GHz(2T2R), 5dBi antenna, support: multiple SSID • TX power: 11n--22dBm/11ac--24dBm
LAN interface	2*GE,Auto-negotiation,RJ45 ports
USB interface	USB3.0 For Printer&Storage

○ Function Data

Management	<ul style="list-style-type: none"> • OAM/OMCI, Telnet, WEB, TR069 • Support full management of ONT functions by VSOL OLT
Data Service Functions	<ul style="list-style-type: none"> • Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Support QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy • Support bridge, router and bridge/router mixed mode • IP address assignment: dynamic PPPoE/DHCP Client and static IP
Wireless	<ul style="list-style-type: none"> • Integrated 802.11b/g/n/ac(WIFI5) • Support Easymesh protocol • Authentication: WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS,CCK and OFDM • Encoding scheme: BPSK,QPSK,16QAM and 64QAM

Product Name	Product Description	Accessories
V2802ACT	2GE+WiFi 5+USB 3.0+CATV	12V/1.5A DC Adapter