



V2804ACT

1XPON+1GE(WAN/LAN1)+3GE(LAN)+CATV+USB3.0+Wi-Fi 5

Key Features:

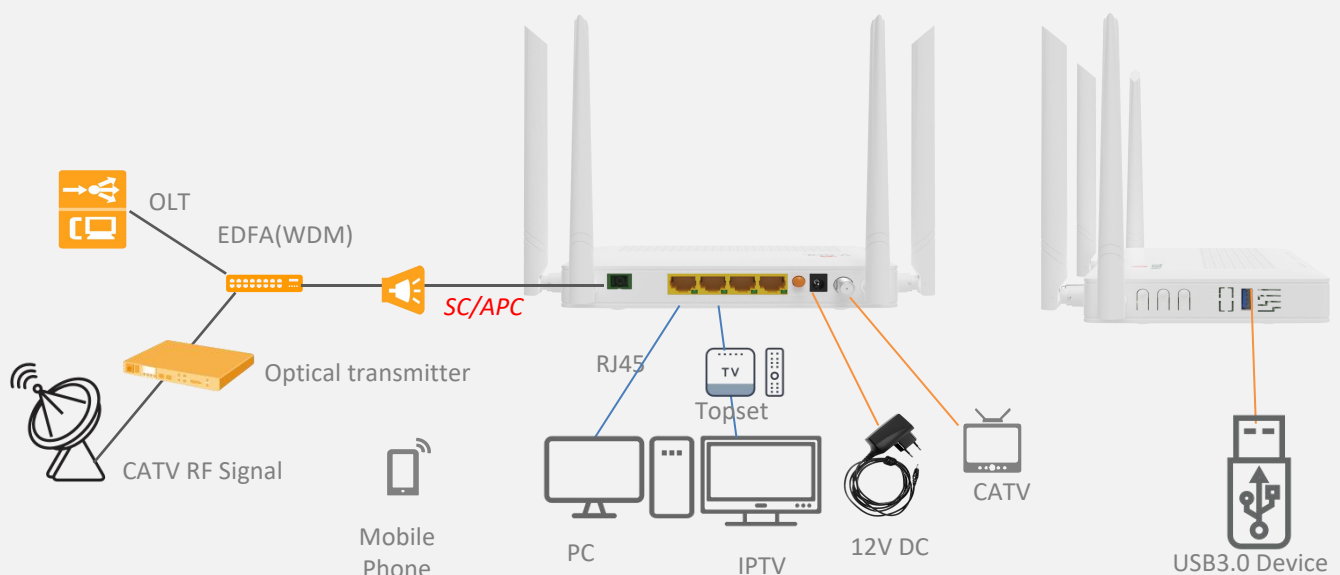
- XPON Dual Mode
- 2.4/5G dual band WiFi EasyMesh
- USB3.0 Super Speed
- O&M Management
- Support guaranteed QoS
- Support IPv4/IPv6

Introduction:

V2804ACT (1GE(WAN/LAN1)+3GE(LAN)+Wi-Fi 5+CATV+USB3.0 XPON ONT) is designed to meet the FTTH and triple play service requirements of fixed network operators. The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac WiFi technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

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	178mm×120mm×30mm(L×W×H)
Net weight	420g
Operating condition	Operating temp: -10° C~+55° C Operating humidity:5%~95% (non-condensing)
Storing condition	Storing temp: -40~+70° C Storing humidity: 5~95% (non-condensing)
Power adapter	DC 12V/1A
Power supply	12W
Interface	1XPON+1GE(WAN/LAN1)+3GE(LAN)+CATV +USB3.0+Wi-Fi 5
LED Indicators	POWER、LOS、PON、LAN1~4、2.4G、5G、USB、CATV

○ Interface Parameter

PON interface	• 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	• 4*GE,Auto-negotiation,RJ45 ports • LAN1 supports WAN mode • 1*USB3.0
CATV interface	• 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: ≥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	• Compliant with IEEE802.11b/g/n/ac • WiFi:2.4GHz 2×2, 5GHz 2×2, 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	• OAM/OMCI,Telnet,WEB,TR069 • Support full management of HGU functions by VSOL OLT
Connect Mode	Support bridge, router & bridge/router mixed mode
QoS	• Support 4 queues • Support SP, WRR, 802.1P and DSCP
Data Service Functions	• 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	• 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	• IPv4, IPv6 and IPv4/IPv6 dual stack • DHCP/PPPOE/Static • Static route, DHCP Server • NAT/DMZ/DDNS/Virtual Server
Security	• Support Firewall • Support Mac filter Based on MAC or URL • Support ACL

Ordering Information:

Product Name	Product Description	Accessories
V2804ACT	1XPON+1GE(WAN/LAN1)+3GE(LAN)+Wi-Fi 5+USB 3.0+CATV	12V/1A DC Adapter