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## V2804ACT

4GE+CATV+USB3.0+WiFi

### Key Features:

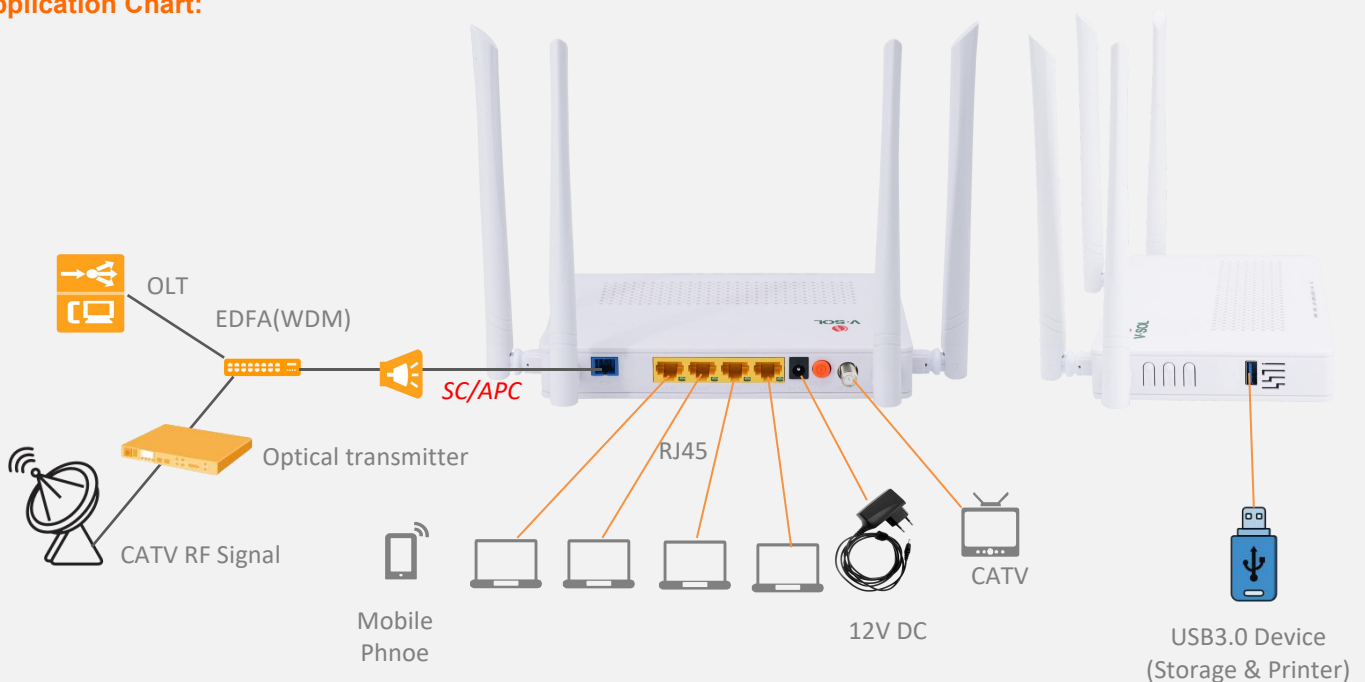
- XPON Dual Mode
- 2.4/5G dual band WiFi EasyMesh
- USB3.0 SUPER SPEED
- O&M Management
- Support guaranteed QoS
- Support IPv4/IPv6



### Introduction:

4GE+WiFi5+CATV+USB3.0 GPON/EPON ONT WiFi Mesh terminal devices are designed for fulfilling FTTH and triple play service demand of fixed network operators. These boxes are based on the mature Chipset (Realtek) technology, which have high ratio of performance to price, and the technology of WiFi5(Dual band), Layer 2/3, and WiFi EasyMesh as well. Support full management of ONT devices through V-SOL OLT. They are highly reliable and easy to maintain, with guaranteed QoS for different service. And they are fully compliant with technical regulations such as IEEE802.3ah, ITU-T G.984.x and technical requirement of GPON Equipment from China Telecom.

### Application Chart:



## ○ Hardware Parameter

Dimension	178mm×120mm×30m(L×W×H)
Net weight	420g
Operating condition	Operating temp: 0° C~+50° C Operating humidity:10%~90% (non-condensing)
Storing condition	Storing temp: -30~+60° C Storing humidity: 10~90% (non-condensed)
Power adapter	DC 12V/1A
Power supply	12W
Interface	4GE+CATV+USB3.0+WiFi
LED Indicators	11. For Status of POWER、LOS、PON、LAN1~4、2.4G、5.0G、USB、CATV
USB	1 x USB3.0

## ○ 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>
LAN interface	4*GE, Auto-negotiation, RJ45 ports
USB interface	USB 3.0, Transmission Rate: 4.8Gbps
WLAN interface	<ul style="list-style-type: none"> <li>• Compliant with IEEE802.11b/g/n/ac</li> <li>• 2.4GHz Operating frequency: 2.400-2.483GHz</li> <li>• 5.0GHz Operating frequency: 5.150-5.825GHz</li> <li>• WiFi: 2.4GHz( 2T2R ), 5.8GHz( 2T2R ), 5dBi antenna, support: multiple SSID</li> <li>• TX power: 11n--22dBm/11ac--24dBm</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)</li> <li>• MER: ≥32dB(-3dBm optical input)</li> </ul>

## ○ Function Data

Management	<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>
Mode	<ul style="list-style-type: none"> <li>• Support bridge, router and bridge/router mixed mode</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 QinQ VLAN, 1:1 VLAN, VLAN reusing, VLAN trunk, etc</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>• Integrated IEEE802.1p QoS with four level priority queues</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>• Support max 128 users</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> </ul>
Security	<ul style="list-style-type: none"> <li>• Support NAT, Firewall</li> <li>• Support IPv4/IPv6 dual stack</li> <li>• Support SIP Protocol</li> </ul>
Other funtion	<ul style="list-style-type: none"> <li>• Integrated OAM/OMCI remote configuration and maintenance function</li> <li>• Support rich QinQ VLAN functions and IGMP snooping multicast features</li> </ul>