

V2802AC-H

1*XPON+1GE(WAN/LAN1)+1GE(LAN)+Wi-Fi 5 ONT

Key Features:

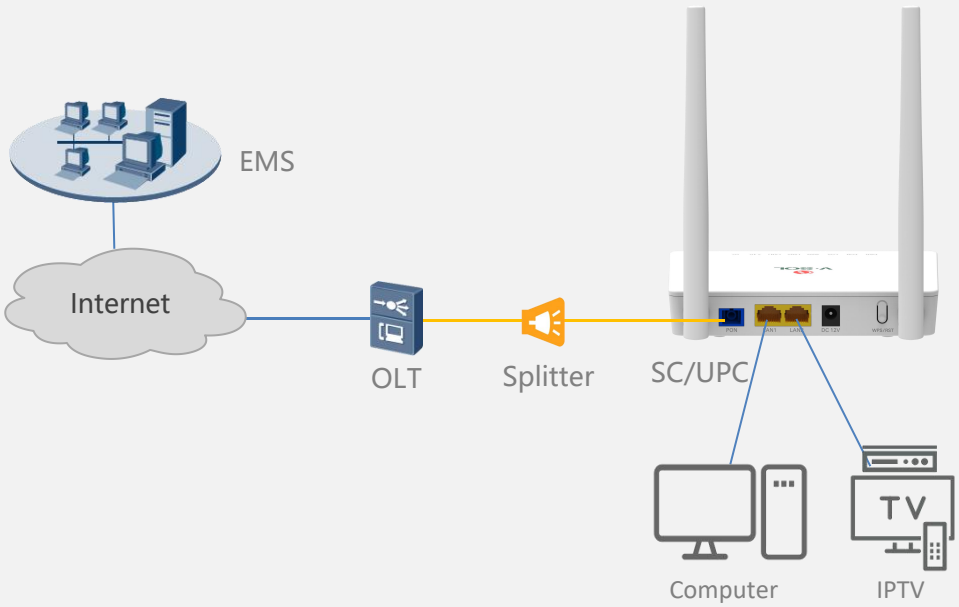
- Detect and exchange PON mode automatically.
- Support EasyMesh protocol
- Wi-Fi 5 Dual Band 1200Mbps
- IPv4/IPv6 Stack

Introduction:

V2802AC-H (1GE(WAN/LAN1)+1GE(LAN)+Wi-Fi 5 XPON ONT) is designed to meet the FTTH requirements of fixed network operators. The ONT is based on a high-performance chipset 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	139.3mm×136.7mm×30mm(L×W×H)
Net weight	195g
Operating condition	Operating temp: -10 ~ +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, external AC-DC power adaptor
Power supply	≤12W
Interface	1GE(WAN/LAN1)+1GE(LAN)+Wi-Fi 5
Indicators	PWR, PON, LOS, WAN, LAN2, LAN1, 2.4G, 5G

Interface Parameter

PON interface	• 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0～+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm (GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
WiFi interface	• Compliant with IEEE802.11b/g/n/ac • WiFi:2.4GHz、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
User interface	• 2×GE, Auto-negotiation,RJ45 ports • LAN1 supports WAN mode
Antenna	2.4GHz\5GHz 2T2R, 2 External Hybrid Dual-band Antennas

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 • 1K 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-64/WEP-128/ WPA/WPA2/WPA3 • Modulation type:DSSS,CCK and OFDM • Encoding scheme:BPSK,QPSK,256QAM • 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
V2802AC-H	1GE(WAN/LAN1)+1GE(LAN)+Wi-Fi 5	AC-DC power adaptor: DC12V/1A