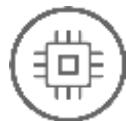




V2804AC-A

1*XPON+4GE+USB 3.0+WiFi 5 HGU ONT



High Performance Solution



WiFi 5 Dual Band
1200Mbps



IPv4/IPv6 Dual Stack



Dual band antenna

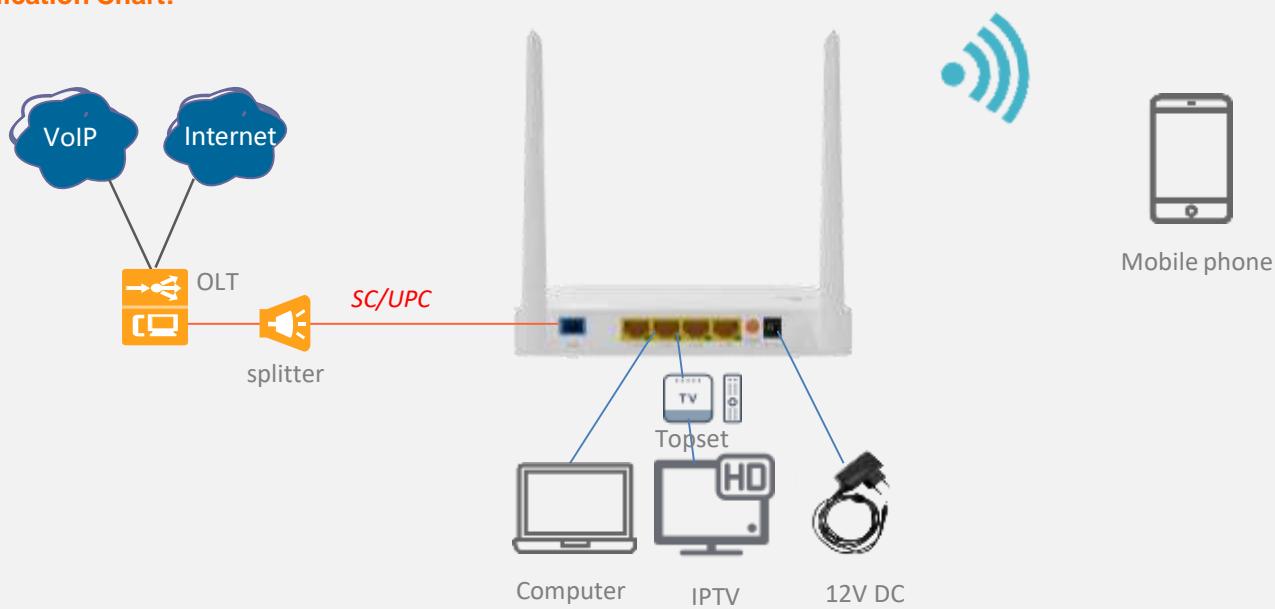
Introduction:

V2804AC-A (4GE+USB 3.0+WiFi 5 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

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 5 technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. While maintaining performance, the antenna has been revolutionised into a dual-band integrated antenna, which not only simplifies the design, but also reduces hardware costs and saves valuable physical space. 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, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984.

Application Chart:



O Hardware Parameter

Dimension	180mm×120mm×32mm(L×W×H)
Net weight	280g
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	DC12V,1A, external AC-DC power adaptor
Power supply	≤12W
Interface	4GE+WiFi 5+USB 3.0
Indicators	PWR、LOS、PON、2.4G、5G、WAN、WPS、USB、LAN1~4

O Interface Parameter

PON interface	<ul style="list-style-type: none"> 1XPON port(EPON PX20+ & 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
User interface	<ul style="list-style-type: none"> 4*GE, Auto-negotiation, RJ45 ports 1*USB 3.0
WLAN interface	<ul style="list-style-type: none"> Compliant with IEEE802.11b/g/n/ac WiFi: 2.4GHz、5.8GHz 2×2, 3dBi antenna, rate up to 1.167Gbps, Multiple SSID TX power: 2.4GHz: 18dBm; 5GHz: 17dBm RX power: 2.4GHz: HT40-MCS7 -71dBm; 5GHz: VHT80 MCS9 <-63dBm

O Function Data

O&M	<ul style="list-style-type: none"> OAM/OMCI, Telnet, WEB, TR069 Support full management of HGU functions by VSOL OLT
Multicast	<ul style="list-style-type: none"> IGMP v1/v2/v3, IGMP snooping IGMP Proxy MLD v1/v2 snooping MLD Proxy
Wireless	<ul style="list-style-type: none"> Integrated 802.11b/g/n/ac Authentication: WAP-PSK(TKIP)/ WAP2-PSK(AES) Support Multiple SSID Support hidden SSID Support Mesh Supports up to 64 maximum device connections
QoS	<ul style="list-style-type: none"> Support 4 queues Support SP, WRR, 802.1P and DSCP
L2	<ul style="list-style-type: none"> Support 802.1D&802.1ad bridge, 802.1Q VLAN
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 Support Loop detection
System Function	<ul style="list-style-type: none"> Support NTP (Network Time Protocol) Support Scheduled device restart Support Ping and Traceroute diagnosis

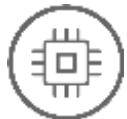
Ordering Information:

Product Name	Product Description	Accessories
V2804AC-A	1*XPON+4GE+USB 3.0+WiFi 5	AC-DC power adaptor: DC12V/1.5A



V2804ACT-A

1*XPON+4GE+CATV+USB 3.0+WiFi 5 HGU ONT



High Performance Solution



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1200Mbps



IPv4/IPv6 Dual Stack



Remote Control
CATV(with AGC) on/off

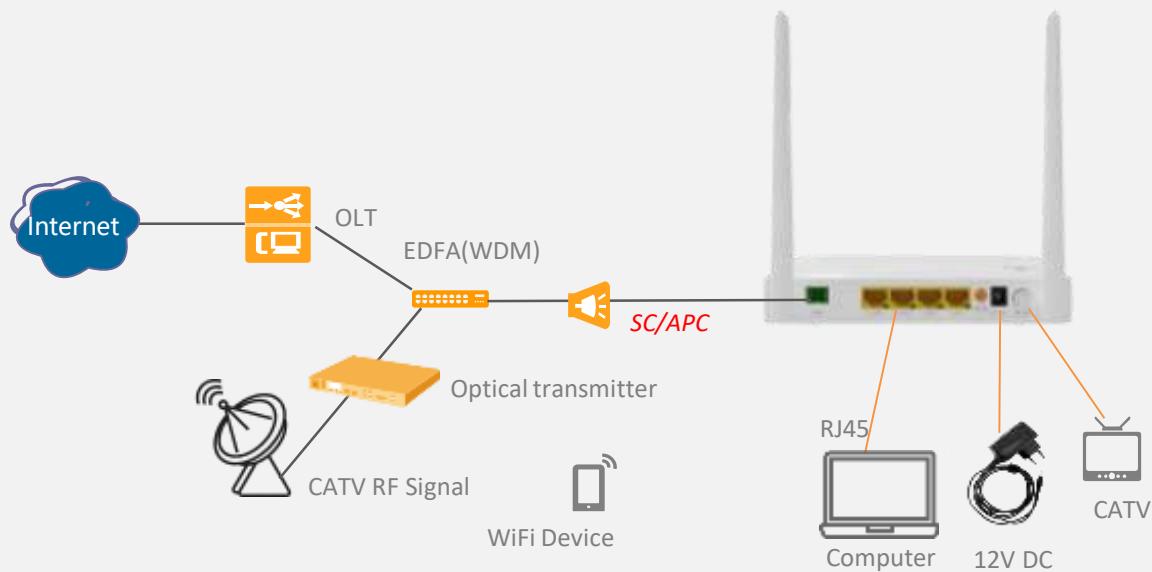
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CATV interface	<ul style="list-style-type: none"> Optical receiving wavelength: 1550±10nm Optical input range: +2~-18dBm Optical reflection loss: ≥40dB RF frequency range: 47~1000MHz RF output impedance: 75Ω RF output level and AGC range: $\geq 81 \pm 2 \text{ dBuv} @ +1 \sim -10 \text{ dBm}$ $\geq 79 \pm 2 \text{ dBuv} @ 0 \sim -11 \text{ dBm}$ $\geq 77 \pm 2 \text{ dBuv} @ -1 \sim -12 \text{ dBm}$ $\geq 75 \pm 2 \text{ dBuv} @ -2 \sim -13 \text{ dBm}$ $\geq 73 \pm 2 \text{ dBuv} @ -3 \sim -14 \text{ dBm}$ $\geq 71 \pm 2 \text{ dBuv} @ -4 \sim -15 \text{ dBm}$ MER: ≥32dB(-14dBm optical input)

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