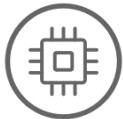




V2804ACT-A

1*XPON+1GE(WAN/LAN1)+3GE(LAN)+CATV+USB 3.0+Wi-Fi 5 HGU ONT



High Performance Solution



Wi-Fi 5 Dual Band
1200Mbps



IPv4/IPv6 Dual Stack



Remote Control
CATV(with AGC) on/off

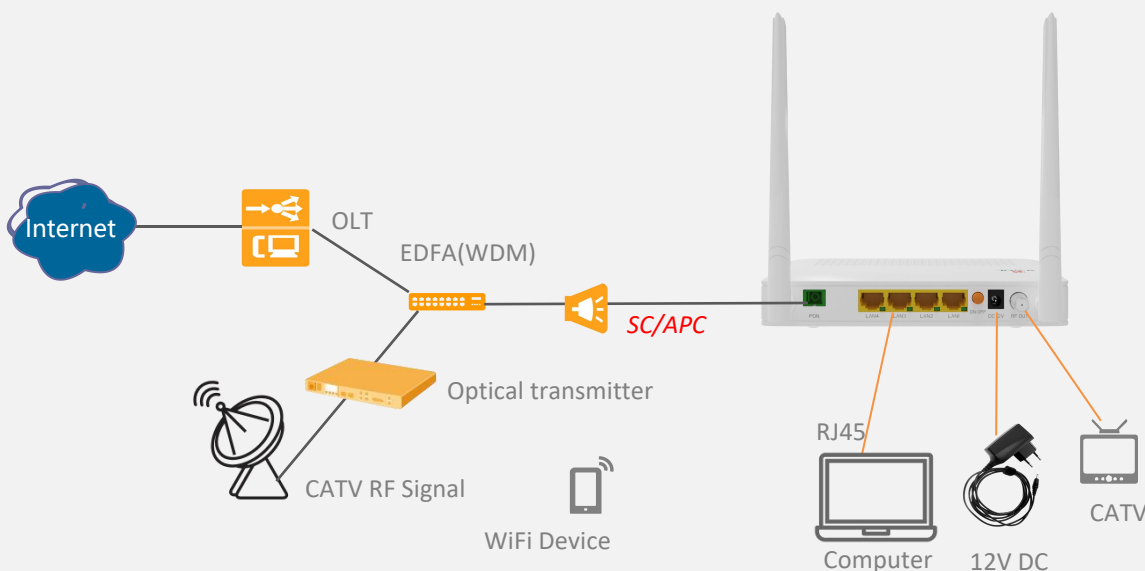
Introduction:

V2804ACT-A (1GE(WAN/LAN1)+3GE(LAN)+CATV+USB 3.0+Wi-Fi 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 Wi-Fi 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:



○ Hardware Parameter

| | |
|---------------------|---|
| Dimension | 180mm×120mm×32mm(L×W×H) |
| Net weight | 280g |
| Operating condition | <ul style="list-style-type: none"> Operating temp: -10 ~ +55°C Operating humidity: 5 ~ 95% (non-condensing) |
| Storing condition | <ul style="list-style-type: none"> Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing) |
| Power adapter | DC12V,1A, external AC-DC power adaptor |
| Power supply | ≤12W |
| Interface | 1GE(WAN/LAN1)+3GE(LAN)+Wi-Fi 5+USB 3.0+CATV |
| Indicators | PWR、LOS、PON、2.4G、5G、WAN、WPS、USB、CATV、LAN1~4 |

○ Interface Parameter

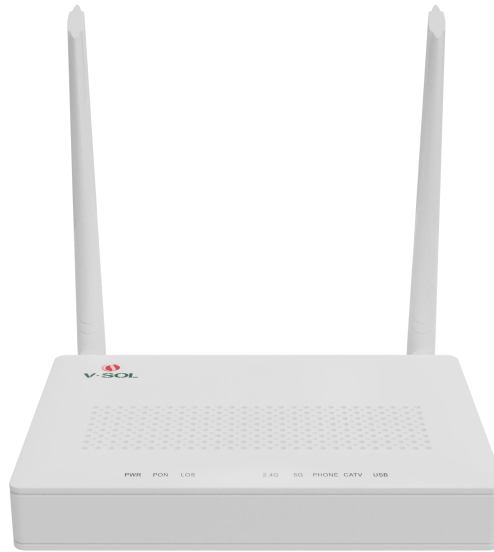
| | |
|----------------|---|
| PON interface | <ul style="list-style-type: none"> 1XPON port(EPON PX20+ & GPON Class B+) SC single mode, SC/APC connector TX optical power: 0~+4dBm RX sensitivity: -27dBm Overload optical power: -3dBm(EPON) or -8dBm(GPON) Transmission distance: 20KM Wavelength: TX 1310nm, RX1490nm |
| User interface | <ul style="list-style-type: none"> 4*GE, Auto-negotiation, RJ45 ports LAN1 supports WAN mode 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,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 |
| 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: <ul style="list-style-type: none"> ≥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) |

○ 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/L4 | <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 |

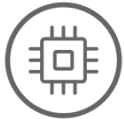
Ordering Information:

| Product Name | Product Description | Accessories |
|--------------|--|-------------------------------|
| V2804ACT-A | 1*XPON+1GE(WAN/LAN1)+3GE(LAN)+CATV+USB 3.0+Wi-Fi 5 | AC-DC power adaptor: DC12V/1A |



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Dual band antenna

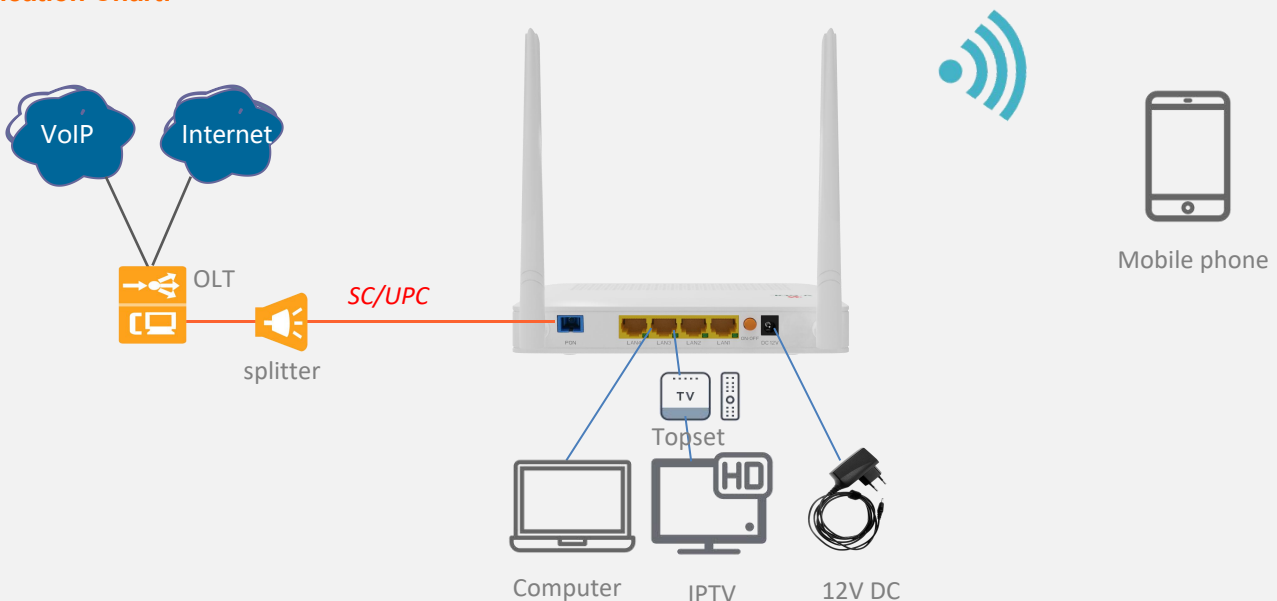
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| Product Name | Product Description | Accessories |
|--------------|---|---------------------------------|
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