



V2804AX

1XPON+4GE+1USB3.0+WiFi6 HGU ONT



Key Features:



Realtek Chipset Solution
WiFi6 Gig+ performance



Next-Gen Gigabit WiFi6
2.4GHz & 5GHz Dual Band
Speed up to 1.8 Gbps



IPv4/IPv6 Dual Stack



USB3.0 Interface
For Shared
Storage/Printer

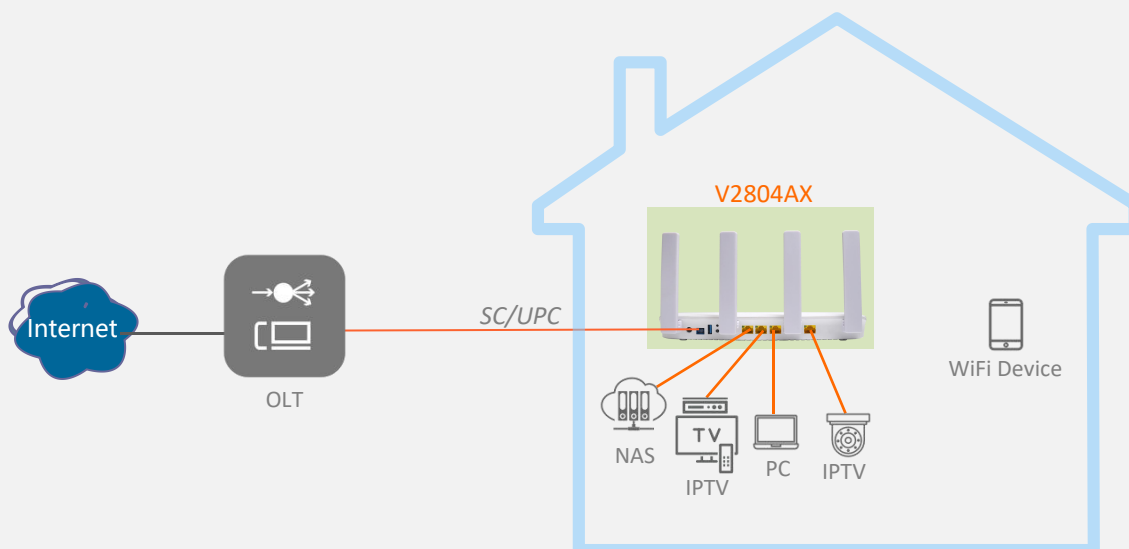
Introduction:

V2804AX (4GE+WiFi6 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH .

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/ax WiFi 6 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, 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 | 250mm×145mm×36mm(L×W×H) |
| Net weight | 0.34Kg |
| Operating condition | Operating temp:0 ~ +55°C Operating humidity:5 ~ 90% (non-condensing) |
| Storing condition | Storing temp: -30 ~ +60°C Storing humidity: 5 ~ 90% (non-condensing) |
| Power adapter | DC 12V, 1.0A, external AC-DC power adaptor |
| Power supply | ≤18W |
| Interface | 1XPON+4GE+USB3.0+WiFi6 |
| Indicators | PWR,PON ,LOS,WAN,WiFi, ETH1~4,WPS,USB |

○ Interface Parameter

| | |
|----------------|---|
| PON Interface | <ul style="list-style-type: none"> • 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 |
| User interface | 4×GE, Auto-negotiation,RJ45 ports |
| Antenna | 4 × 5dBi external antennas |
| USB | 1×USB 3.0 for Shared Storage/Printer |

○ Function Data

| | |
|---------------------|---|
| O&M | <ul style="list-style-type: none"> • WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of VSOL OLT |
| Internet connection | Support Routing Mode |
| Multicast | <ul style="list-style-type: none"> • IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping |
| WIFI | <ul style="list-style-type: none"> • Wi-Fi 6: 802.11a/n/ac/ax 5GHz & 802.11g/b/n/ax 2.4GHz • WiFi Encryption:WEP-64/WEP-128/WPA/WPA2/WPA3 • Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM • Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band |
| L2 | 802.1D&802.1ad bridge, 802.1p Cos,802.1Q VLAN |
| L3 | IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS |
| Firewall | Anti-DDOS, Filtering Based on ACL/MAC /URL |

| Product Name | Product Description | Accessories |
|--------------|---------------------|-----------------------------------|
| V2804AX | 1XPON+4GE+WiFi6 | AC-DC power adaptor: DC12V / 1.0A |