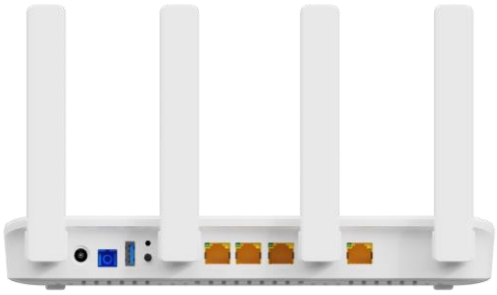


V2804AX

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

(Wifi speed is AX1500 or AX1800 or AX3000 optional.)

Key Features:

- Realtek PON+WIFI6 Gig+ performance
- Next-Gen Gigabit WiFi6 2.4GHz & 5GHz Dual Band
- IPv4/IPv6 Dual Stack
- USB3.0 Interface For Shared Storage/Printer

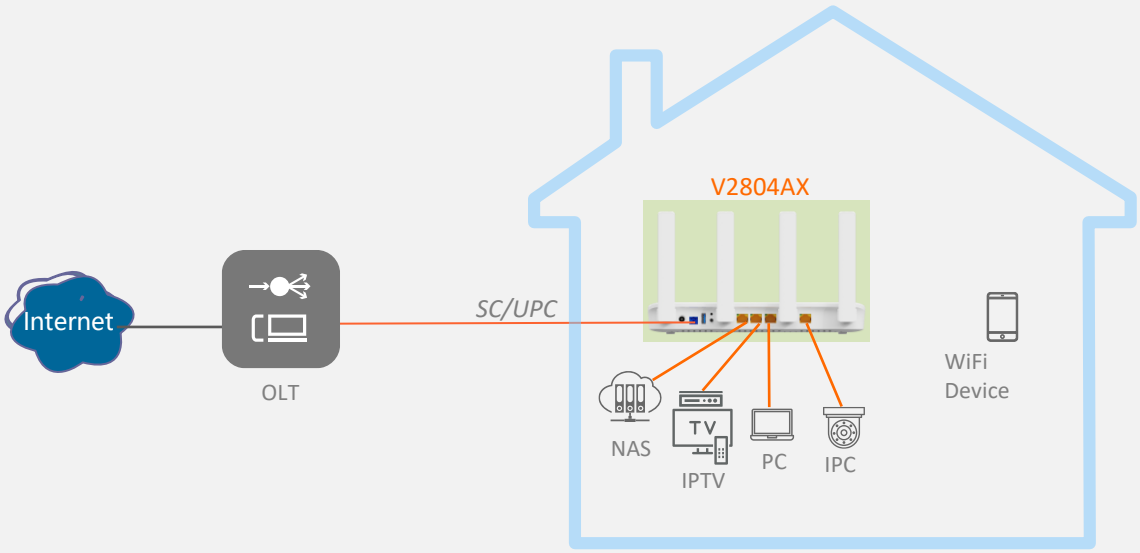
Introduction:

V2804AX (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:-10 ~ +55°C Operating humidity:5 ~ 95% (non-condensed)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensed)
Power adapter	DC 12V, 1.0A (AX1500,AX1800), DC 12V, 1.5A (AX3000), external AC-DC power adaptor
Power supply	≤12W (AX1500,AX1800) ≤18W (AX3000)
Interface	AX1500,AX1800: 1*XPON+4*GE+1*USB3.0+WiFi6 AX3000: 1*XPON+1*2.5GbE+3*GE+1*USB3.0+WiFi6
Indicators	PWR,PON ,LOS,WAN,WiFi, ETH1~4,WPS,USB

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
User interface	• 4*GE(or AX3000: 1*2.5GbE+3*GE) , Auto-negotiation, RJ45 ports
Antenna	4 ×5dBi external antennas
USB	1×USB 3.0 for shared storage/printer

Function Data

O&M	• WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of VSOL OLT
Internet connection	Support Routing Mode
Multicast	• IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
WIFI	• Wi-Fi 6: AX1500: 802.11a/n/ac/ax 5GHz & 802.11g/b/n 2.4GHz , AX1800,AX3000: 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
V2804AX30	1*XPON+1*2.5GbE+3*GE+WiFi6 (AX3000)	AC-DC power adaptor: DC12V / 1.5A
V2804AX	1*XPON+4*GE+WiFi6 (AX1800)	AC-DC power adaptor: DC12V / 1.0A
V2804AX15	1*XPON+4*GE+WiFi6 (AX1500)	AC-DC power adaptor: DC12V / 1.0A