


# V2804BE36T-H

1XPON+4LAN+CATV+1USB+Wi-Fi 7 HGU ONT

## Key Features:

- High Performance Solution
- Next-Gen Gigabit Wi-Fi 7 2.4GHz & 5GHz Dual Band Speed up to 3.6Gbps
- Tray-mounted Fiber Structure Triple-play Services
- 180° Foldable Antenna

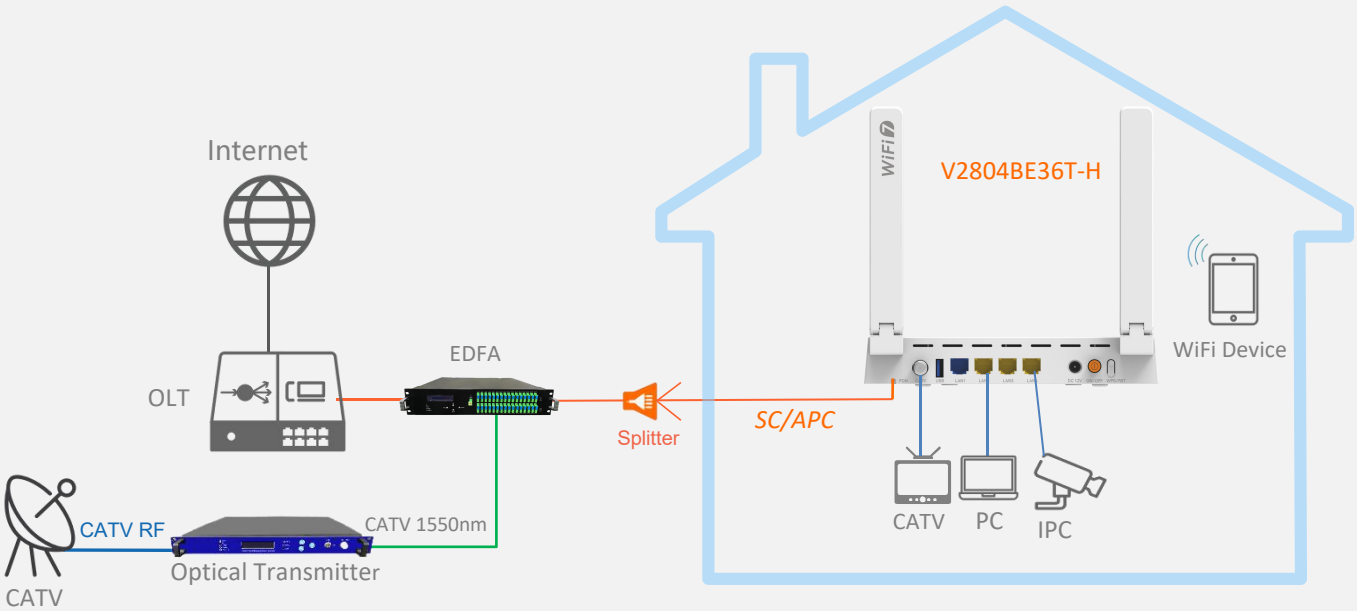
## Introduction:

V2804BE36T-H (1*2.5GE+3*GE+CATV+1*USB 2.0+Wi-Fi 7 XPON HGU ONT) is a broadband access device designed to meet the demands of fixed network operators for FTTH and triple-play services.

This ONT is based on a high-performance chip solution, supporting XPON dual-mode technology (EPON and GPON). With WiFi speeds of up to 3600Mbps, it also supports IEEE 802.11a/b/g/n/ac/ax/be WiFi 7 technology and other Layer 2/Layer 3 features, providing data services for carrier-grade FTTH applications. In addition, this ONT supports OAM/OMCI protocols, allowing configuration and management of various services on the VSOL OLT, making it easy to manage and maintain, and ensuring QoS for various services. It complies with international technical standards such as IEEE802.3ah and ITU-T G.984.

The V2804BE36T-H features 180° foldable antennas. With a bottom disc fiber structure design, it can be placed on a desktop or wall-mounted, adapting effortlessly to various scene styles!

## Application Chart:



## Hardware Parameter

| | |
|---|---|
| Dimension | 200mm×156.8mm×32.33mm(L×W×H) |
| Net weight | 0.35Kg |
| Operating condition | Operating temp: -10 ~ +55°C<br>Operating humidity: 5 ~ 95% (non-condensed) |
| Storing condition | Storing temp: -40 ~ +70°C<br>Storing humidity: 5 ~ 95% (non-condensed) |
| Power adapter | 12V/1.0A |
| Power supply | ≤13W |
| Interface | 1*XPON+1*2.5GE+3*GE+CATV+1*USB2.0+Wi-Fi 7 |
| Indicators | PWR ,PON ,LOS ,WAN ,LAN1~4 ,2.4G ,5G ,<br>WPS ,USB |

## Interface parameter

| | |
|---|---|
| PON Interface | • 1XPON port(EPON PX20+ and GPON Class B+)<br>• SC single mode, SC/APC connector<br>• TX optical power: 0～+4dBm<br>• RX sensitivity: -27dBm<br>• Overload optical power: -3dBm(EPON) or -8dBm(GPON)<br>• Transmission distance: 20KM<br>• Wavelength: TX 1310nm, RX1490nm |
| User interface | • 1×2.5GE+3×GE, Auto-negotiation,RJ45 ports |
| Antenna | 2.4GHz\5GHz 2T2R, External 2 Hybrid Dual-band Antennas |
| CATV interface | • Optical receiving wavelength: 1550±10nm<br>• Optical input range: +2～-18dBm<br>• Optical reflection loss: ≥40dB<br>• RF frequency range: 47～1000MHz<br>• RF output impedance: 75Ω<br>• RF output level and AGC range:<br>≥81±2dBuv@+1～-10dBm<br>≥79±2dBuv@ 0～-11dBm<br>≥77±2dBuv@-1～-12dBm<br>≥75±2dBuv@-2～-13dBm<br>≥73±2dBuv@-3～-14dBm<br>≥71±2dBuv@-4～-15dBm<br>• MER: ≥32dB(-14dBm optical input) |

## Function Data

| | |
|---|---|
| O&M | • WEB/TELNET/OAM/OMCI/TR069<br>• Support private OAM/OMCI protocol |
| Internet connection | • Support routing mode<br>• Support bridge mode |
| Multicast | • IGMP v1/v2/v3, IGMP snooping<br>• MLD v1/v2 snooping |
| WIFI | • Wi-Fi 7: 802.11a/n/ac/ax/be 5GHz, 2.4GHz<br>• WiFi: 2.4GHz\5GHz 2×2, dual band antennas, rate up to 3.6Gbps,Multiple SSID<br>• WiFi Encryption: WEP-64/WEP-128/ WPA/WPA2/WPA3<br>• Support OFDMA, MU-MIMO, Dynamic QoS, 4096-QAM<br>• Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band<br>• Easy-Mesh R5 |
| L2 | 802.1p Cos,802.1Q VLAN |
| L3 | IPv4/IPv6, DHCP Client/Server,PPPoE, NAT, DMZ, DDNS,Parental Control |
| Firewall | Anti-DDOS, ACL with URL, MAC, and IP-based filtering |

| Product Name | Product Description | Accessories |
|---|---|---|
| V2804BE36T-H | 1*XPON+1*2.5GE+3*GE+CATV+1*USB 2.0+Wi-Fi 7 | AC-DC power adaptor: DC12V / 1.0A |