

HG3232AX30(T)-A

1XPON+1GE(WAN/LAN1)+3GE(LAN)+1POTS+1USB3.0+Wi-Fi 6 HGU ONT,CATV Optional

Key Features:

- High Performance Solution
- Next-Gen Gigabit Wi-Fi 6
  2.4GHz & 5GHz Dual Band
  Speed up to 3Gbps
- Tray-mounted Fiber Structure
  Triple-play Services
- Highly integrated
  small size and light weight

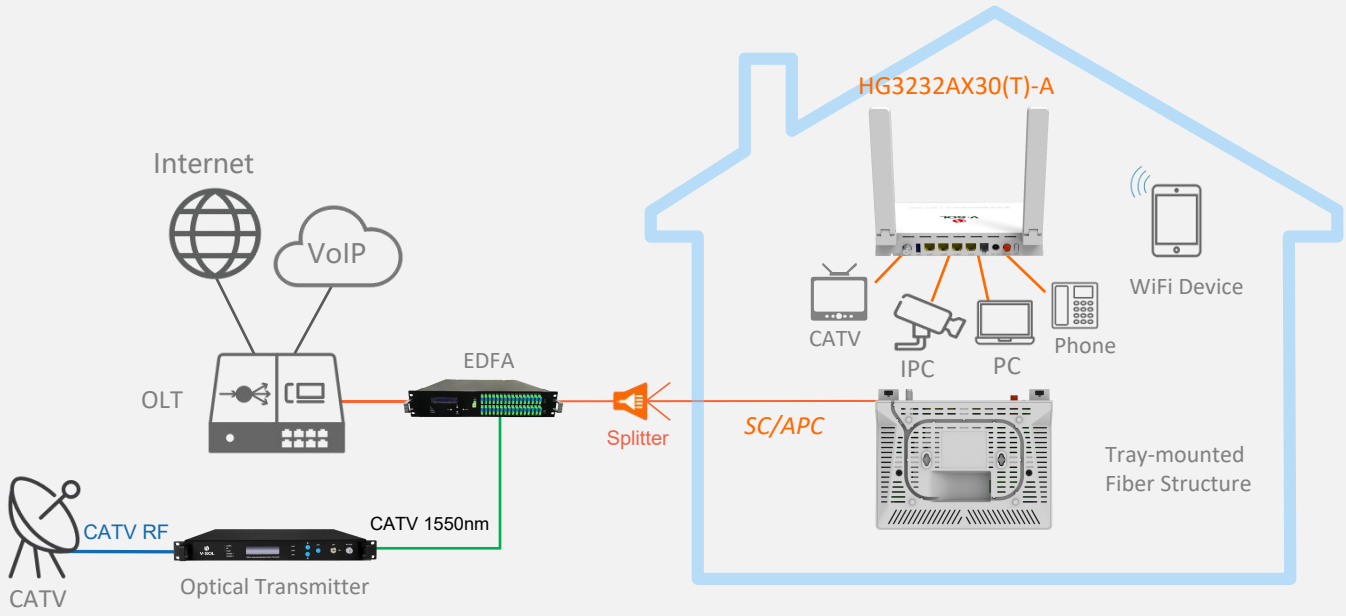
Introduction:

HG3232AX30(T)-A (4GE+1POTS+CATV+Wi-Fi 6 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 3000Mbps, it also supports IEEE 802.11b/g/n/ac/ax Wi-Fi 6 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 HG3232AX30(T)-A adopts a simplified design, with 2.4G and 5G antennas sharing the same antenna housing; With a tray-mounted 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	NA Kg
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	12V/1.5A
Power supply	≤18W
Interface	1XPON+4GE+1POTS+1USB3.0+CATV+Wi-Fi 6
Indicators	PWR ,PON ,LOS ,WAN ,LAN1~4 ,2.4G ,5G , WPS ,FXS ,USB,CATV

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, Auto-negotiation,RJ45 ports • LAN1 supports WAN mode • 1×POTS RJ11 Connector
Antenna	2.4GHz 5GHz 2T2R,external antennas
CATV interface	• 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: ≥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	• WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol
Internet connection	Support Routing Mode
Multicast	• IGMP v1/v2/v3, IGMP snooping • MLD v1/v2 snooping
VoIP	• SIP and IMS SIP • G.711a/G.711u/G.722/G.729 Codec • Echo cancellation,VAD/CNG,DTMF Relay • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference • Line testing according to GR-909
WIFI	• Wi-Fi 6: 802.11a/n/ac/ax 5GHz&2.4GHz, 2.4GHz 2×2 MIMO, 5GHz 2×2 MIMO • WiFi Encryption: WEP-64/WEP-128/ WPA/WPA2/WPA3 • Support OFDMA, MU-MIMO, Dynamic QoS, 1024-QAM • Multi SSIDs • Smart Connect for one Wi-Fi name - One SSID for 2.4GHz and 5GHz dual band
L2	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
HG3232AX30T-A	1XPON+4*GE+1*POTS+1*USB3.0+1*CATV+Wi-Fi 6	AC-DC power adaptor: DC12V / 1.5A
HG3232AX30-A	1XPON+4*GE+1*POTS+1*USB3.0+Wi-Fi 6	AC-DC power adaptor: DC12V / 1.5A