HGU-V200-4AC

1*XPON+2GE+WiFi5 HGU ONT

Introduction:

HGU-V200-4AC 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 WiFi 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 DBC 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.

Hardware Parameter

Dimension	178mm×120mm×30m(L×W×H)
Net weight	0.32Kg
Operating condition	Operating temp: 0 ~ +55°C Operating humidity:10 ~ 90%(non-condensed)
Storing condition	Storing temp: -30 ~ +60°C Storing humidity: 10 ~ 90% (non-condensed)
Power adapter	DC 12V,1.5A, external AC-DC power adaptor
Power supply	≤10W
Interface	2GE+1POTS+WiFi5
Indicators	PWR, PON, LOS, WAN, LAN1, LAN2, 2.4G, 5G, PHONE

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	• 2 * GE, Auto-negotiation,RJ45 ports
WLAN interface	• Compliant with IEEE802.11b/g/n/ac • 2.4GHz: 2.4000-2.4835GHz • 5.0GHz: 5.150-5.825GHz • WiFi:2.4GHz 2×2, 5.8GHz 2×2, 5dBi antenna, rate up to 1.167Gbps,Multiple SSID • TX power: 11n--22dBm/11ac--24dBm

Function Data

Management	• OAM/OMCI, Telnet, WEB, TR069 • Support full management of HGU functions by DBC OLT
Internet connection	Support Bridge, Route and Bridge/Route mixed mode
Multicast	• Support IGMP v1/v2/v3 • Support IGMP Proxy and MLD Proxy • Support IGMP Snooping and MLD Snooping
VLAN	• Support VLAN tag mode • Support VLAN trunk mode • Support VLAN translation

Function Data

Data Service Functions	• Full speed non-blocking switching • 2K MAC address table • 64 full range VLAN ID • Integrated port monitoring, port mirroring, port rate limiting, port SLA, etc • Support auto polarity detection of Ethernet ports (AUTO MDIX) • Integrated IEEE802.1p QoS with four level priority queues • Support IGMP v1/v2/v3 snooping/proxy and MLD v1/v2 snooping/proxy
Wireless	• Support Wireless AP mode • Support 802.11 b/g/n/ac • Support Multiple SSID • Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES) • Modulation type: DSSS, CCK and OFDM • Encoding scheme: BPSK, QPSK, 16QAM and 64QAM • Support EasyMesh protocol
QoS	• Support 4 queues • Support SP and WRR • Support 802.1P and DSCP
L3	• Support IPv4, IPv6 and IPv4/IPv6 dual stack • Support DHCP/PPPOE/Static • Support Static route • Support DHCP Server • Support NAT/DMZ/DDNS • Support Virtual Server
Security	• Support Firewall • Support Mac filter Based on MAC or URL • Support ACL