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Overview

The Huawei EchoLife HG8247H is an routing-type ONT used in the Huawei all-optical access solution. It uses GPON technology to provide ultra-broadband access for users.

It provides 4 GE+2 POTS+1 USB+1 RF+2.4G WiFi (4 GE Ethernet ports, 2 POTS ports, 1 USB port, 1 RF port and 1 2.4G WiFi port). High-performance forwarding provides voice, data, CATV and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8247H
Dimensions (H x W x D)	220 mm x 160 mm x 32 mm (without an external antenna)
Weight (Without Power Adapter)	About 400 g
Operating Temperature	0°C to 40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50/60 Hz
System Power Supply	11–14 V DC, 2 A
Static Power Consumption	7.5 W
Maximum Power Consumption	18 W
Ports	2POTS + 4GE + CATV + Wi-Fi + USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS/CATV

Figure 1 shows the appearance of EchoLife HG8247H.

Product Details

Port Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27 dBm ● Wavelengths: US 1310 nm, DS 1490 nm ● WBF ● Flexible mapping between GEM Port and TCONT ● GPON: consistent with the SN or password authentication defined in G.984.3 ● Bi-directional FEC ● SR-DBA
Ethernet Port	● Ethernet port-based VLAN tags and tag removal ● 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission ● QinQ VLAN ● Limit on the number of learned MAC addresses ● MAC address learning
CATV Port	● Bandwidth 54-870 MHz ● Output resistance 75 ohms
POTS Port	● Maximum REN: 4 ● G.711A/µ, G.729a/b, and G.722 encoding/decoding ● T.30/T.38/G.711 fax mode ● DTMF ● Emergency calls (with the SIP protocol)
USB Port	● USB2.0 ● FTP-based network storage
WLAN	● IEEE 802.11 b/g/n ● 2 x 2 MIMO ● Antenna gain: 2 dBi ● WMM ● Multiple SSIDs ● WPS ● Air interface rate: 300 Mbps

Product Function

Smart Interconnection	● Smart Wi-Fi coverage (V300R015C10) ● SIP/H.248 auto-negotiation ● Any port any service ● Parental control (V300R015C10) ● L2/L3(IPv4) forwarding: 1G uplink, 2G downlink

Smart Service	● Smart Wi-Fi sharing: Portal/802.1x authentication (V300R015C10) SoftGRE-based sharing (V300R015C10) ● Association of one account with two POTS ports
Smart O&M	● Variable-length OMCI messages ● Active/Passive rogue ONT detection and isolation ● Call emulation, and circuit test and loop-line test ● PPPoE/DHCP simulation testing ● WLAN emulation
Layer 3 Features	● PPPoE/Static IP/DHCP ● NAT/NAPT ● Port forwarding ● ALG, UPnP ● DDNS/DNS server/DNS client ● IPv6/IPv4 dual stack ● Static/Default routes ● Multiple services on one WAN port
Multicast	● IGMP v2/v3 proxy(V300R015C00) /snooping ● MLD v1/v2 snooping ● Multicast services through Wi-Fi
QoS	● Ethernet port rate limitation ● 802.1p priority ● SP/WRR/SP+WRR ● Broadcast packet rate limitation
Security	● SPI firewall ● Filtering based on MAC/IP/URL addresses

Get More Information

Do you have any question about the EchoLife HG8247H?

Contact us now via info@hi-network.com.

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