Overview

The Huawei EchoLife HG8245H is a routing-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. It provides 4 GE+2 POTS+1 USB+1 Wi-Fi(4 GE ports, 2 POTS ports, 1 USB port,and 1 2.4G WiFi port). The high forwarding performance ensures the user experience of voice, data, and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8245H
Dimensions (W x D x H)	176 mm x 138.5 mm x 28 mm (without an external antenna)
Weight	About 500g
Operating Temperature	0°C to +40°C
Operating Humidity	5% to 95% RH (non-condensing)
Power Adapter Input	100-240V AC, 50/60 Hz
System Power Supply	11-14V DC, 2A
Static Power Consumption	5 W
Maximum Power Consumption	15.5W

Figure 1 shows the appearance of EchoLife HG8245H.

Product Details

Interface Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310nm, DS 1490nm ● 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 and NSR-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
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

Product Function

Smart Interconnection	● Smart Wi-Fi coverage (V300R015C10) ● SIP/H.248 auto-negotiation ● Any port any service ● Parental control (V300R015C00) ● 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	● IPTV video quality diagnosis (V300R015C10) ● 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, and DS-Lite ● 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
Common O&M	● OMCI/Web UI/TR069 ● Dual-system software backup and rollback
Power Saving	● Dynamic power saving ● Indicator power saving ● Scheduled Wi-Fi shutdown (V300R015C00)

Get More Information

Do you have any question about the EchoLife HG8245H?

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

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Static Power Consumption	5 W
Maximum Power Consumption	15.5W
Ports	2POTS+4GE+Wi-Fi+USB
Indicators	POWER/PON/LOS/LAN/TEL/USB/WLAN/WPS
GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310nm, DS 1490nm ● 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 and NSR-DBA
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