Overview

The Huawei EchoLife HG8245Q 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+2 USB+2 WiFi(4 GE ports, 2 POTS ports, 2 USB port, 1 2.4G WiFi port and 1 5G 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 HG8245Q
Dimensions (W x D x H)	285 mm x 174 mm x 70 mm
Weight	About 1000 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, 3 A
Static Power Consumption	6.5 W
Maximum Power Consumption	26 W
Ports	2POTS + 4GE + 2.4G/5G Wi-Fi + 2USB

Figure 1 shows the appearance of EchoLife HG8245Q.

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 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 ● File/Print sharing based on SAMBA ● DLNA DMS/UPnP AV (media server)
WLAN	● IEEE 802.11 b/g/n (2.4G) ● IEEE 802.11 a/n/ac (5G) ● 3×3 MIMO ● Antenna gain: 2 dBi ● WMM ● Multiple SSIDs ● WPS ● 2.4G/5G concurrent ● Air interface rate: 450 Mbps (2.4G); 1300 Mbps (5G)

Function List

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 HG8245Q?

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

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