

Overview

The EchoLife HG8245Q2 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+2 WiFi(4 GE ports, 2 POTS ports, 1 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 HG8245Q2
Dimensions (W x D x H)	265 mm x 176 mm x 82 mm
Weight	About 1500 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	8 W
Maximum Power Consumption	20.5 W
Ports	2POTS + 4GE + 2.4G/5G Wi-Fi + 1USB
Indicators	POWER/PON/LOS/TEL/LAN/WLAN/WPS/USB

Figure 1 shows the appearance of EchoLife HG8245Q2.





Product Details

Port Parameters

GPON Port	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • USB2.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)
WLAN	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto-negotiation • Any port any service
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	<ul style="list-style-type: none"> • Parental control • L2/L3(IPv4) forwarding: 1G uplink, 2G downlink
Smart Service	<ul style="list-style-type: none"> • Smart Wi-Fi sharing: <ul style="list-style-type: none"> – Portal/802.1x authentication – SoftGRE-based sharing • Association of one account with two POTS ports
Smart O&M	<ul style="list-style-type: none"> • IPTV video quality diagnosis • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • IGMP v2/v3 proxy/snooping • MLD v1/v2 snooping • Multicast services through Wi-Fi
QoS	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation
Security	<ul style="list-style-type: none"> • SPI firewall • Filtering based on MAC/IP/URL addresses
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Dual-system software backup and rollback
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Scheduled Wi-Fi shutdown

Get More Information

Do you have any question about the EchoLife HG8245Q2?

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





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