Overview

The Huawei EchoLife EG8245H5 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 WiFi(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 EG8245H5
Dimensions (H x W x D)	30 mm x 168 mm x 115 mm (without external antenna and pads)
Weight	About 220 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, 1 A
Static power consumption	4 W
Maximum power consumption	12 W
NNI	GPON
UNI	2POTS + 4GE + 2.4G Wi-Fi + 1USB
Optical Connector	SC/APC

Figure 1 shows the appearance of EchoLife EG8245H5.

Product Details

Interface Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ~ -29dBm ● Overload optical power: -8 dBm ● Wavelengths: US 1310nm, DS 1490nm ● Wavelength blocking filter (WBF) of G.984.5 ● 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 ● Type B (single-homing&dual-homing)
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 ● Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
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 function
WLAN	● IEEE 802.11 b/g/n ● 2 x 2 MIMO ● Antenna gain: 5 dBi ● WMM ● Multiple SSIDs ● WPS ● Air interface rate: 300 Mbit/s (2.4G)

Product Function

Smart Interconnection	● Smart Wi-Fi coverage ● SIP/H.248 auto-negotiation

	● Any port any service
	● Parental control
	● L2/L3 (IPv4) forwarding: 1G uplink, 2G downlink
Smart Service	● Scheduled Wi-Fi shutdown
	● Smart Wi-Fi sharing:
	− Portal/802.1x authentication
	− SoftGRE-based sharing
	● Association of one account with two POTS ports
Smart O&M	● IPTV video quality diagnosis
	● eMDI
	● Rogue ONT detection and isolation from the OLT
	● 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/snooping
	● MLD v1/v2 snooping
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
	● Variable-length OMCI messages
	● Dual-system software backup and rollback
Power Saving	● Indicator power saving
	● COC V5

Get More Information

Do you have any question about the EchoLife EG8245H5?

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

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	● DLNA function
WLAN	● IEEE 802.11 b/g/n
	● 2 x 2 MIMO
	● Antenna gain: 5 dBi
	● WMM
	● Multiple SSIDs
	● WPS
	● Air interface rate: 300 Mbit/s (2.4G)

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