Overview

The Huawei EchoLife EG8240H is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology.

It provides 4 GE ports and 2 POTS ports. The high-performance forwarding capability ensures the service experience of voice, data, 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 EG8240H
Dimensions (W x D x H)	176 mm x 138.5 mm x 28 mm
Weight	About 240 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	4 W
Maximum Power Consumption	7.8W
Ports	4GE + 2POTS
Indicators	POWER/PON/LOS/LAN/TEL

Figure 1 shows the appearance of EchoLife EG8240H.

Product Details

Port Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Wavelengths: US 1310 nm, DS 1490 nm ● Wavelength blocking filter (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 ● Local switching/isolation based onEthernet ports ● Transparent transmission of IPv6 packets at Layer 2
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)

Function List

Smart Service	● Association of one account with two POTS ports ● L2 forwarding: 1G uplink, 2G downlink
Smart Interconnection	● SIP/H.248 auto-negotiation
QoS	● Ethernet port rate limitation ● 802.1p priority ● SP/WRR/SP+WRR ● Broadcast packet rate limitation ● Flow mapping based on the VLAN ID, port ID, or/and 802.1p
Security	● MAC address filtering
Power Saving	● Indicator power saving ● Power consumption reduction of idle components in power-saving state ● CoC v5
Smart O&M	● Variable-length OMCI messages

	● Active/Passive rogue ONT detection and isolation
	● PPPoE/DHCP simulation testing
	● Call emulation, and circuit test and loop-line test
Common O&M	● OMCI/Web UI
	● Dual-system software backup and rollback
	● 802.1ag Ethernet OAM
	● Optical link measurement and diagnosis
	● Loopback check
Multicast	● IGMP v2/v3 snooping
	● MLD v1/v2 snooping
	● Fast leave
	● VLAN tag translation, transparent transmission, and removal for downstream multicast packets
	● IGMP/MLD protocol packet rate limitation

Get More Information

Do you have any question about the EchoLife EG8240H?

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

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