

Overview

Powered by Gigabit Passive Optical Network (GPON) technology, EchoLife EG8240H5 is an indoor Optical Network Terminal (ONT) that offers ultra-broadband access for personal home and Small Office and Home Office (SOHO) users. The device features four GE ports and two Plain Old Telephone Service (POTS) ports, with high-performance service forwarding capabilities ensuring an exceptional experience for Voice over Internet Protocol (VoIP), Internet, and High Definition (HD) videos. As such, EchoLife EG8240H5 not only offers a comprehensive terminal solution for today, but also future-oriented service support capabilities for the networks of tomorrow.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8240H5
Dimensions (H x W x D)	30 mm x 173 mm x 120 mm (without external antenna and pads)
Weight	About 250 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, 1.5A
Static power consumption	5.3 W
Maximum power consumption	18 W
NNI	GPON
UNI	1POTS + 4GE + 2.4G/5G Wi-Fi + 1USB
Optical Connector	SC/APC

Figure 1 shows the appearance of EchoLife EG8240H5.



Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm • Overload optical power: -8 dBm • 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 • Type B (single-homing & dual-homing)
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 • Local switching/isolation based on Ethernet ports • Transparent transmission of IPv6 packets at Layer 2
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)

Product Function

Smart Interconnection	<ul style="list-style-type: none"> • SIP/H.248 auto-negotiation
Smart Service	<ul style="list-style-type: none"> • Association of one account with two POTS ports • L2 forwarding: 1G uplink, 2G downlink
Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Rogue ONT detection and isolation from the OLT • PPPoE/DHCP simulation testing • Call emulation, and circuit test and loopline test • eSight management
Multicast	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • MLD v1/v2 snooping • Fast leave • VLAN tag translation, transparent transmission, and removal for downstream multicast packets



	<ul style="list-style-type: none"> • IGMP/MLD protocol packet rate limitation
QoS	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • MAC address filtering
Common O&M	<ul style="list-style-type: none"> • OMCI/Web UI • Dual-system software backup and rollback • 802.1ag Ethernet OAM • Optical link measurement and diagnosis • Loopback check
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state • COC V5

Get More Information

Do you have any question about the EchoLife EG8240H5?

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

Specification

EchoLife EG8240H5 Specification	
Dimensions (H x W x D)	30 x 168 x 115 mm
Weight	Approximately 220 g
Operating Temperature	0–40°C
Operating Humidity	5–95% RH (non-condensing)
Power Adapter Input	100–240 V AC, 50/60 Hz
System Power Supply	11–14 V DC, 2A
Static Power Consumption	3 W
Maximum Power Consumption	6.6 W
NNI	GPON
UNI	4 x GE + 2 x POTS
Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN/TEL





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<p>GPON Port</p>	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27dBm • Overload optical power: -8 dBm • 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 • Type B (single-homing & dual-homing)
<p>Ethernet Port</p>	<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 • Local switching/isolation based on Ethernet ports • Transparent transmission of IPv6 packets at Layer 2
<p>POTS Port</p>	<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)
<p>Installation Mode</p>	<p>On a desk or wall</p>

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