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Overview

The Huawei EchoLife EG8010H is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology.

It provides 1 GE ports. The high-performance forwarding capability ensures the service experience of data and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

- Smart service
- Smart interconnection
- Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8010H
Dimensions (H x W x D)	28 mm x 69 mm x 83 mm (without pads)
Weight	About 70 g
Operating temperature	0° C to $+40^{\circ}$ 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 (typical value 12 V) DC, 1 A
Static power consumption	2.6 W
Maximum power consumption	6 W
Ports	1GE
Indicators	POWER/PON/LOS/LAN

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Figure 1 shows the appearance of EchoLife EG8010H.



Product Details

Interface Parameters

GPON Port	• Class B+
	• Receiver sensitivity: -27dBm ~ -29dBm
	• 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
	• Transparent transmission of IPv6 packets at Layer 2

Product Functions

	Variable-length OMCI messages
Smart O&M	Active/Passive rogue ONT detection and isolation
	PPPoE/DHCP simulation testing

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Power Saving	• Indicator power saving
	• Power consumption reduction of idle components in powersaving state
	• Ethernet port rate limitation
	• 802.1p priority
QoS	• 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
	• OMCI/Web UI
	• Dual-system software backup and rollback
Common O&M	• 802.1 ag Ethernet OAM
	• Optical link measurement and diagnosis
	• Loopback check
	• IGMP v2/v3 snooping
	• MLD v1/v2 snooping
Multicast	• 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 EG8010H? Contact us now via info@hi-network.com.

Specification

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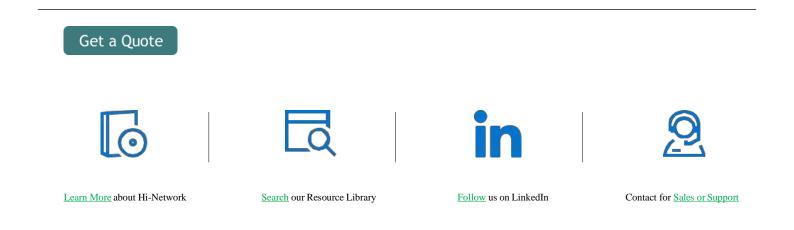


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