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°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

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

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

Power Saving	● Indicator power saving
	● Power consumption reduction of idle components in powersaving state
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
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 EG8010H?

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