

Overview

The Huawei EchoLife HG8040H 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. 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.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife HG8040H
Dimensions (H x W x D)	176 mm x 138.5 mm x 28 mm
Weight	< 500 g
Operating Temperature	0°C to 40°C
Operating Humidity	5%–95% RH, non-condensing
Rated Input Range of Power Adapter	100–240 V AC, 50/60 Hz
System Power Supply	11–14 V DC, 1 A
Static Power Consumption	4 W
Maximum Power Consumption	7.5 W
Network-side Port	GPON
User-side Port	4GE
Indicator	POWER/PON/LOS/LAN

Figure 1 shows the appearance of EchoLife HG8040H.





Product Details

Interface Parameters

GPON Port	<ul style="list-style-type: none"> • 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	<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

Product Functions

Smart O&M	<ul style="list-style-type: none"> • Variable-length OMCI messages • Active/Passive rogue ONT detection and isolation • PPPoE/DHCP simulation testing
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
Power Saving	<ul style="list-style-type: none"> • Indicator power saving • Power consumption reduction of idle components in power-saving state • COCv4
Smart Interconnection	<ul style="list-style-type: none"> • L2 forwarding: 1G uplink, 2G downlink
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





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 ● IGMP/MLD protocol packet rate limitation
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Get More Information

Do you have any question about the EchoLife HG8040H?

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