Overview

The Huawei EchoLife HG8110H 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 port and 1 POTS port. 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 HG8110H
Dimensions (H x W x D)	134 mm x 115 mm x 27 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	3.5 W
Maximum Power Consumption	5.5 W
Network-side Port	GPON
User-side Port	1GE + 1POTS
Indicator	POWER/PON/LOS/LAN/TEL

Figure 1 shows the appearance of EchoLife HG8110H.

Product Details

Interface 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 ● 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)

Product Functions

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
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
Power Saving	● Indicator power saving ● Power consumption reduction of idle components in power-saving state ● COCv4
Smart Interconnection	● SIP/H.248 auto-negotiation
Security	● MAC address filtering

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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 HG8110H?

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