Overview

The EchoLife EG8040H5 is a bridging-type ONT in the Huawei all-optical access solution. It uses the GPON technology to implement ultra-broadband access for users. The high forwarding performance ensures the user experience of voice, data and HD video services, and provides customers with an ideal all-optical access solution and futureoriented service support capabilitytation.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8040H5
Dimensions (W x D x H)	30 mm x 168 mm x 115 mm
Weight	About 220 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 A
Static Power Consumption	2.8 W
Maximum Power Consumption	4.7 W
NNI	GPON
UNI	4GE

Figure 1 shows the appearance of EchoLife EG8040H5.

Product Details

Port Parameters

GPON Port	● Class B+ ● Receiver sensitivity: -27dBm ● Overload optical power: -8 dBm ● Wavelengths: US 1310nm, DS 1490nm ● Wavelength blocking filter (WBF) of G.984.5 ● 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	● 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

Function List

Smart O&M	● Variable-length OMCI messages ● Active/Passive rogue ONT detection and isolation ● PPPoE/DHCP simulation testing
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 Service	● L2 forwarding: 1G uplink, 2G downlink
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 EG8040H5?

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Specification

EchoLife EG8040H5 Specification	
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System Power Supply	11-14 V DC, 1 A
Static Power Consumption	2.8 W
Maximum Power Consumption	4.7 W
NNI	GPON
UNI	4GE
Optical connector	SC/APC
Indicators	POWER/PON/LOS/LAN
Installation Mode	On the desk, or on the wall
GPON Port	● Class B+
	● Receiver sensitivity: -27dBm
	● Overload optical power: -8 dBm
	● Wavelengths: US 1310nm, DS 1490nm
	● Wavelength blocking filter (WBF) of G.984.5
	● Flexible mapping between GEM Port and TCONT
	● GPON: consistent with the SN or password authentication defined in G.984.3
	● Bi-directional FEC

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	● SR-DBA and NSR-DBA
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