

Overview

The Huawei EchoLife EG8120L5 is a routing-type Optical Network Terminal (ONT) in Huawei's all-optical access solution. It uses Gigabit-capable Passive Optical Network (GPON) technology to offer ultra-broadband access for users, providing one GE port, one FE port, and one POTS port. With high forwarding performance ensuring consistent user experience for voice, data, and High Definition (HD) video services, and future-oriented service support capabilities, EG8120L5 helps enterprises construct the all-optical access solutions deployed on next generation campuses.

- Smart service
- Smart interconnection
- Smart O&M

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8120L5
Dimensions (H x W x D)	32 mm x 145 mm x 97 mm (without pads)
Weight	About 145 g
Operating Temperature	0°C to +40°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	100V to 240V AC, 50/60 Hz
System Power Supply	11–14 V (typical value 12 V) DC, 1 A
Static Power Consumption	3.8 W
Maximum Power Consumption	5 W
NNI	GPON
UNI	1POTS + 1GE + 1FE
Optical Connector	SC/APC

Figure 1 shows the appearance of EchoLife EG8120L5.



Product Details

Interface Parameters

<p>GPON Port</p>	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27 dBm • Overload optical power: -8 dBm • Wavelengths: US 1310 nm, DS 1490 nm • 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)
<p>Ethernet Port</p>	<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 • GE: Auto-adaptive 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s • FE: Auto-adaptive 10 Mbit/s, 100 Mbit/s
<p>POTS Port</p>	<ul style="list-style-type: none"> • 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 Function

Smart Interconnection	<ul style="list-style-type: none"> ● SIP/H.248 auto-negotiation ● Any port any service ● Parental control
Smart O&M	<ul style="list-style-type: none"> ● eMDI ● Variable-length OMCI messages ● Active/Passive rogue ONT detection and isolation ● PPPoE/DHCP simulation testing ● Call emulation, and circuit test and loop-line test
Layer 3 Features	<ul style="list-style-type: none"> ● PPPoE/Static IP/DHCP ● NAT/NAPT ● Port forwarding ● ALG, UPnP ● DDNS/DNS server/DNS client ● IPv6/IPv4 dual stack, and DS-Lite ● Static/Default routes ● Multiple services on one WAN port
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
Security	<ul style="list-style-type: none"> ● MAC/IP/URL address filtering ● SPI firewall ● Anti-DoS attack
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
Common O&M	<ul style="list-style-type: none"> ● OMCI/Web UI/TR069 ● Dual-system software backup and rollback
Power Saving	<ul style="list-style-type: none"> ● Indicator power saving

Get More Information

Do you have any question about the EchoLife EG8120L5?

Contact us now via info@hi-network.com.





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Optical Connector	SC/APC
Indicators	Power/PON/LOS/LAN2/LAN1/TEL
GPON Port	<ul style="list-style-type: none"> • Class B+ • Receiver sensitivity: -27 dBm • Overload optical power: -8 dBm • Wavelengths: US 1310 nm, DS 1490 nm • 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)
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