

Overview

The Huawei EchoLife EG8240P is an Optical Network Terminal (ONT) used in Huawei's AgilePOL solution. By using GPON technology, ultra-broadband access is provided for enterprise campuses.

It provides 4 GE ports that support PoE functions and 2 POTS ports. The high forwarding performance ensures the user experience of voice, internet and HD video services, and provides customers with an ideal all-optical access solution and future-oriented service support capability.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8240P
Dimensions (H x W x D)	42 mm x 254 mm x 140 mm
Operating Temperature	-40°C to 55°C
Operating Humidity	5% RH to 95% RH (non-condensing)
Power Adapter Input	90V to 264V AC, 50 Hz/60 Hz
System Power Supply	56V DC, 1.42A
Network-side Ports	GPON
User-side Ports	4 x GE (PoE) + 2 x POTS
Indicators	POWER/PON/LOS/LAN/TEL
Maximum PoE Output Power	Gross power 60W (up to 30W for one GE port)

Figure 1 shows the appearance of EchoLife EG8240P.





Product Details

Port Parameters

GPON Port

- SFF optical module, SC/UPC connector
- ITU-T G.984.2 CLASS B+
- Upstream data rate 1.244Gbit/s, 1310nm optic
- Downstream data rate 2.488Gbit/s, 1490nm optic
- Bi-directional FEC (Forward Error Correction)
- Type B single-homing
- Type B dual-homing (supported in Layer 2 forwarding)

Ethernet Electrical Port

- PoE and PoE+, complying with IEEE 802.3af and IEEE 802.3at
- RJ-45 connector
- Auto ports speed (10/100/1000 Mbit/s)
- Auto-MDI/MDIX
- Configuration of the number of MAC addresses learned
- VLAN transparent transmission/VLAN filtering
- QinQ VLAN

POTS Port

- RJ-11 connector
- Line code mode: PCM
- ITU-T Q.551, ITU-T Q.552

Product Function

Automatic Service Provisioning

- Authentication exemption
- XML/OMCI/TR069

Smart O&M

- XML/Web UI
- Rogue ONT detection
- Ring network detection





- PPPoE /DHCP emulation testing
- Y.1731

Layer 3 Features

- Default/Static/Policy/Service routes
- VLAN binding
- ALG/UPnP/ARP
- DDNS/DMZ/DNS/NAPT
- PPPoE/Static IP/DHCP/DHCP Option66
- Port mapping/Port trigger

Layer 2 Management

- DHCP Option82
- PTP
- BPDU transparent transmission
- LLDP/LLDP-MED

Multicast

- IGMP v2/v3 snooping
- Dynamic controllable multicast
- IGMP proxy
- MLDv1/MLDv2 snooping

Voice

- SIP/H.248
- G.711A/μ, G.729 and G.722 coding/decoding
- T.38/G.711 fax mode

QoS

- Ethernet port rate limitation
- 802.1p priority
- SP/WRR/SP+WRR

Security

- DoS/ARP anti-attacks
- Filtering based on MAC/IP/URL
- Session number restriction
- Device access control
- 802.1x
- Static MAC address binding





Get More Information

Do you have any question about the EchoLife EG8240P?

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

Specification

EchoLife EG8240P Specification	
Dimensions (H × W × D)	42mm × 254mm × 140mm
Weight	About 0.57 kg
Operating temperature	-40°C to +55°C
Operating humidity	5%RH to 95%RH, non-condensing
Power adapter input	100V to 240V AC, 50Hz/60Hz
System power supply	56V DC, 1.42A
UNI	4*GE(PoE) + 2*POTS
NNI	GPON
Static power consumption	6 W
Typical power consumption	8 W (PoE port without PD)
Maximum power consumption	10 W (PoE port without PD) 73 W (PoE port with PD having the maximum power consumption)
Maximum PoE output power	Gross power 60W (up to 30W for one GE port)
Surge protection specifications	GE port: common mode 4 kV; differential mode 0.5 kV. POTS port: common mode 4 kV; differential mode 0.5 kV. AC power supply: common mode 6 kV; differential mode 6 kV.
GPON Port	<ul style="list-style-type: none"> • SFF optical module, SC/UPC connector • ITU-T G.984.2 CLASS B+ • Upstream data rate 1.244Gbit/s, 1310nm optic • Downstream data rate 2.488Gbit/s, 1490nm optic • Bi-directional FEC (Forward Error Correction) • Type B single-homing • Type B dual-homing (supported in Layer 2 forwarding)
Ethernet Electrical Port	<ul style="list-style-type: none"> • PoE and PoE+, complying with IEEE 802.3af and IEEE 802.3at • RJ-45 connector • Auto ports speed (10/100/1000 Mbit/s) • Auto-MDI/MDIX • Configuration of the number of MAC addresses learned • VLAN transparent transmission/VLAN filtering • QinQ VLAN



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POTS Port	<ul style="list-style-type: none">• RJ-11 connector• Line code mode: PCM• ITU-T Q.551, ITU-T Q.552
Installation Mode	Support rack and a network box mounting, on a DIN rail or vertically on the supporting plane

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