

Overview

The Huawei EchoLife EG8020P is a panel type ONU used in Huawei's Agile POL Solution. It can be simply and quickly installed on 86-type junction box. It utilizes GPON technology to provide ultra-broadband access for enterprise campuses. It provides one GPON port on the upstream, and also provides 2 GE ports to support PoE functions. The high forwarding performance ensures the user experience with VOIP, Internet, and HD video services. From here, you can find the Huawei EchoLife EG8020P user manuals and user guides, including the product description, configuration guide, and troubleshooting guide.

Quick Specification

Table 1 shows the Quick Specification.

Model	EchoLife EG8020P
Dimensions (H × W × D)	Device: 125mm x 86mm x 30mm Power adapter: 68.5mm x 46.5mm x 33mm
Weight	Device: about 185g Power adapter: about 155g
Operating temperature	-5°C to 40°C
Operating humidity	5% RH to 95% RH, non-condensing
Power adapter input	100V to 240V AC, 50/60 Hz
UNI	2*GE
NNI	1*GPON
Static power consumption*	4.5W
Maximum power consumption*	6.5

Figure 1 shows the appearance of EchoLife EG8020P.





Product Details

Port Parameters

GPON Port

- SC/APC connector
- Class B+
 - Receiver sensitivity: -27dBm
 - Overload optical power: -8dBm
- Transmission rate (unit: Gbit/s)
 - GPON: downstream 2.488, upstream 1.244
- Type B single-homing
- Type B dual-homing (supported in Layer 2 forwarding)

Ethernet Electrical Port

- PoE & PoE+, complying with IEEE 802.3af & 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 on an Ethernet port
- Ethernet port-based VLAN transparent transmission and filtering

Product Function

Automatic Service Provisioning

- Authentication exemption
- XML/OMCI/TR069

Smart O&M

- XML / Web UI
- eSight management
- Rogue ONT detection and self-regulation
- Ring network detection
- PPPoE /DHCP emulation testing

Layer 3 Features

- Default/Static/Policy/Service routes





- VLAN binding
- ALG/UPnP/ARP
- DDNS/DMZ/DNS/NAPT
- PPPoE/Static IP/DHCP
- Port mapping/Port trigger

Layer 2 Management

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

Multicast

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

QoS

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

Security

- Filtering based on MAC/IP/URL
- DoS/ARP anti-attacks
- Session number restriction
- Device access control
- Support three authentication methods for PEAP/TTLS/TLS of 802.1x

Humanized design

- Support one button to turn off all LEDs

Get More Information

Do you have any question about the EchoLife EG8020P?

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Specification

EchoLife EG8020P Specification	
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UNI	2*GE
NNI	1*GPON
Static power consumption*	4.5W
Maximum power consumption*	6.5
Maximum PoE output power	Gross power 30W, number 1 and 2 GE ports support up to 30W.
Surge protection specifications	GE port: common mode 4 kV; differential mode 0.5 kV AC power supply: common mode 6 kV; differential mode 6 kV
Installation mode	Support the 86-type junction box or the standard junction box (D x W x H: 110 mm x 125 mm x 30 mm) mounting.
Compliance certification	CE/CCC/RCM/C-tick
GPON Port	<ul style="list-style-type: none"> • SC/APC connector • Class B+ • Receiver sensitivity: -27 dBm • Overload optical power: -8 dBm • GPON transmission rate (unit: Gbit/s): downstream 2.488, upstream 1.244 • Type B single-homing • Type B dual-homing (supported in Layer 2 forwarding)
Ethernet Electrical Port	<ul style="list-style-type: none"> • PoE & 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 on an Ethernet port • Ethernet port-based VLAN transparent transmission and filtering

Note: The above indexes with * don't include PoE output power.

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