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Overview

The Huawei EchoLife EG8080P is an Optical Network Terminal (ONT) used in Huawei's Agile POL Solution. By using GPON technology, ultra-broadband access is provided for enterprise campuses.

It provides 8 GE ports that support PoE functions. The high forwarding performance ensures the user experience of VOIP, 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 EG8080P
Dimensions (H x W x D)	56 mm x 254 mm x 180 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, 2.5A
Network-side Ports	GPON
User-side Ports	8 x GE (PoE)
Indicators	POWER/PON/LOS/LAN
Maximum PoE Output Power	Gross power 120W (up to 30W for one GE port)

Figure 1 shows the appearance of EchoLife EG8080P.

Product Details

Port Parameters

PON Port

- ● SC/UPC connector
- ● SFP optical module
- ● Transmission rate (unit: Gbit/s)

  GPON: downstream 2.488 and upstream 1.244

  XG-PON: downstream 9.953 and upstream 2.488

  XGS-PON: downstream 9.953 and upstream 9.953

- ● Type B single-homing
- ● Type B dual-homing (supported in Layer 2 forwarding)

GE Electrical Port

- ● PoE and PoE+

  IEEE 802.3af and IEEE 802.3at

- ● RJ-45 connector
- ● Port rate autonegotiation (10/100/1000 Mbit/s)
- ● Auto-MDI/MDIX
- ● Configuration of the number of MAC addresses learned
- ● Ethernet port-based VLAN transparent transmission and VLAN filtering

Product Function

Automatic Service Provisioning

- ● Authentication exemption
- ● XML/OMCI/TR069

Smart O&M

- ● XML/Web UI management
- ● Y.1731
- ● 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/DHCP option66
- 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
- 802.1x

QoS

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

Get More Information

Do you have any question about the EchoLife EG8080P (02232PSQ)?

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

Specification

EchoLife EG8080P Specification	
Dimensions (H × W × D)	56 mm × 254 mm × 180 mm
Weight	About 1.1 kg
Operating temperature	-40°C to +55°C
Operating humidity	5%RH to 95%RH, no condensing
Power adapter input	100 V to 240 V AC, 50 Hz/60 Hz
System power supply	56 V DC, 2.5A
UNI	8*GE (PoE and PoE+)
NNI	1*GPON/XG-PON/XGS-PON
Static power consumption	11W
Typical power consumption	13W (PoE port without PD)
Maximum power consumption	15W (PoE port without PD 139W (PoE port with PD having the maximum power consumption)
Maximum PoE output power	120 W (supported by the system) 30 W (supported by every GE port)
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.d
PON Port	● SC/UPC connector ● SFP optical module ● Transmission rate (unit: Gbit/s) 　GPON: downstream 2.488 and upstream 1.244 　XG-PON: downstream 9.953 and upstream 2.488 　XGS-PON: downstream 9.953 and upstream 9.953 ● Type B single-homing ● Type B dual-homing (supported in Layer 2 forwarding)
GE Electrical Port	● PoE and PoE+ 　IEEE 802.3af and IEEE 802.3at ● RJ-45 connector ● Port rate autonegotiation (10/100/1000 Mbit/s) ● Auto-MDI/MDIX ● Configuration of the number of MAC addresses learned ● Ethernet port-based VLAN transparent transmission and VLAN filtering

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