

Overview

The Huawei EchoLife EG8280P 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 8 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 EG8280P
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, 50Hz/60Hz
System Power Supply	56V DC, 2.5A
Network-side Ports	GPON
User-side Ports	8 x GE (PoE) + 2 x POTS
Indicators	POWER/PON/LOS/LAN/TEL
Maximum PoE Output Power	Gross power 120W (up to 30W for one GE port)

Figure 1 shows the appearance of EchoLife EG8280P.





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

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 management
- Y.1731





- Rogue ONT detection and self-regulation
- Ring network detection
- PPPoE/DHCP/ Call 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

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

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





Get More Information

Do you have any question about the EchoLife EG8280P?

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Specification

EchoLife EG8280P 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+) + 2*POTS
NNI	1*GPON/XG-PON/XGS-PON
Static power consumption	12 W
Typical power consumption	14 W (PoE port without PD)
Maximum power consumption	16 W (PoE port without PD) 140 W (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. POTS port: common mode 4 kV; differential mode 0.5 kV. AC power supply: common mode 6 kV; differential mode 6 kV.
PON Port	<ul style="list-style-type: none"> • SC/UPC connector • SFP optical module • Transmission rate (unit: Gbit/s) <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> • PoE and PoE+ <ul style="list-style-type: none"> IEEE 802.3af and IEEE 802.3at • RJ-45 connector • Port rate auto negotiation (10/100/1000 Mbit/s) • Auto-MDI/MDIX



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	<ul style="list-style-type: none">• Configuration of the number of MAC addresses learned• Ethernet port-based VLAN transparent transmission and VLAN filtering
POTS Port	<ul style="list-style-type: none">• RJ-11 connector• Line code mode: PCM• ITU-T Q.551, ITU-T Q.552

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