



HUAWEI

EchoLife EG8020P



Enterprise Broadband Access ONU

Device Parameters

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*	6.5W
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

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

Port Parameters

GPON Port

- SC/APC connector
- Class B+
Receiver sensitivity: -27dBm~ -29dBm
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

Homimization

- Support one button to turn off all LEDs