



EchoLife EG8040P



Gigabit Optical Access Terminal for Enterprise

Device Parameters

Dimensions (H × W × D)	42mm × 254mm × 140mm
Weight	About 0.565 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)
NNI	GPON
Static power consumption	4W
Typical power consumption	6W (PoE port without PD)
Maximum power consumption	8W (PoE port without PD) 71W (PoE port with PD having the maximum power consumption)
Maximum PoE output power	Gross power 60W (up to 30 W for one 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.

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

Functions

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

Multicast

- IGMP v2/v3 snooping
- Dynamic controllable multicast
- IGMP proxy
- 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
- Static MAC address binding