



EchoLife EG8240P



Gigabit Optical Access Terminal for Enterprise

Device Parameters

Dimensions (H × W × D)	42mm × 254mm × 140mm
Weight	About 0.57 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) + 2*POTS
NNI	GPON
Static power consumption	6 W
Typical power consumption	8 W (PoE port without PD)
Maximum power consumption	10 W (PoE port without PD) 73 W (PoE port with PD having the maximum power consumption)
Maximum PoE output power	Gross power 60W (up to 30W for one 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.

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

POTS Port

- RJ-11 connector
- Line code mode: PCM
- ITU-T Q.551, ITU-T Q.552

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

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

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