



# 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)<br>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.<br>POTS port: common mode 4 kV; differential mode 0.5 kV.<br>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