



EchoLife EG8080P



Gigabit Optical Access Terminal for Enterprise

Device Parameters

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+)
NNI	1*GPON/XG-PON/XGS-PON
Static power consumption	11W
Typical power consumption	13W (PoE port without PD)
Maximum power consumption	15W (PoE port without PD) 139W (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. AC power supply: common mode 6 kV; differential mode 6 kV.

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

Functions

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 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

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