



EchoLife EG8040P



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+) + 2*POTS
NNI	1*GPON/XG-PON/XGS-PON
Static power consumption	12W
Typical power consumption	14W (PoE port without PD)
Maximum power consumption	16W (PoE port without PD) 140W (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)

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

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 management
- Y.1731
- Rogue ONT detection and self-regulation
- Ring network detection
- PPPoE/DHCP/ Call 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

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

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



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	6W
Typical power consumption	8W (PoE port without PD)
Maximum power consumption	10W (PoE port without PD) 73W (PoE port with PD having the maximum power consumption)
Maximum PoE output power	Gross power 60W (up to 30W for one GE port)

Port Parameters

GPON Port

- SFF optical module, SC/UPC connector
- ITU-T G.984.2 CLASS B+ , ITU-T G.984.2 CLASS C+
- 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
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QoS

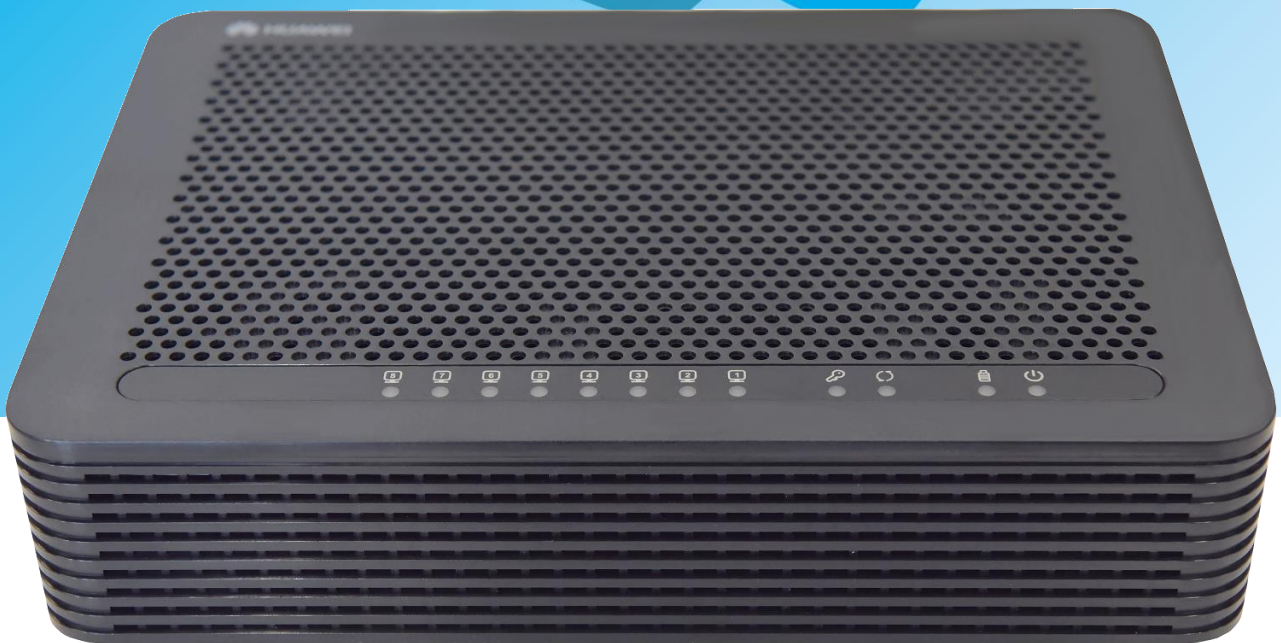
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- Filtering based on MAC/IP/URL
- Session number restriction
- Device access control
- 802.1x
- Static MAC address binding



EchoLife EG8080P



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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)

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PON Port

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- Transmission rate (unit: Gbit/s)
 - GPON: downstream 2.488 and upstream 1.244
 - XG-PON: downstream 9.953 and upstream 2.488
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- Type B single-homing
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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)

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- Session number restriction
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- Static MAC address binding