



EchoLife EG8084P



Enterprise Broadband Access Industrial ONU

Device Parameters

Dimensions (H × W × D)	43.6mm x 235mm x 180mm
Weight	About 1.9kg
Operating temperature	-40°C to 70°C
Operating humidity	5%RH to 95%RH, non condensing
Power adapter input	100V to 240V AC, 50/60 Hz
System power supply	56V DC, 4.5A
UNI	8*GE
NNI	1*GPON/XG-PON/XGS-PON
Static power consumption*	9W
Maximum power consumption*	17W
Maximum PoE output power	Gross power up to 210W , number 1 and 2 GE ports support up to 60W(PoE++) and number 3 to 8 GE ports support up to 30W(PoE+).
Surge protection specifications	GE port: common mode 6 kV; differential mode 1.5 kV. AC power supply: common mode 6 kV; differential mode 6 kV; different mode 3 kA of surge current.
Installation mode	Support rack and a network box mounting, on a DIN rail or vertically on the supporting plane.
Compliance certification	CE/CCC/RCM/C-tick

Note: The above indexes with * don't include PoE output power.

Port Parameters

Note: DI1/DI2/DO/RS485 4 ports are reserved ports, this version can not be used.

GPON Port

- SC/UPC connector
- SFP+ optical module
- GPON: Class B+; Receiver sensitivity: -27dBm; Overload optical power: -8dBm
XG-PON: Class N1/N2a; Receiver sensitivity: -28dBm; Overload optical power: -8dBm
XGS-PON: Class N1/N2; Receiver sensitivity: -28dBm; Overload optical power: -9dBm
- Transmission rate (unit: Gbit/s)
GPON: downstream 2.488, upstream 1.244
XG-PON: downstream 9.953, upstream 2.488
XGS-PON: downstream 9.953, upstream 9.953
- Type B single-homing
- Type B dual-homing (supported in Layer 2 forwarding)

Ethernet Electrical Port

- PoE & PoE+ & PoE++, complying with IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt(draft)
- RJ-45 connector
- Auto ports speed(10/100/1000 Mbit/s)

Ethernet Electrical Port(Continued)

- Auto-MDI/MDIX
- Configuration of the number of MAC addresses learned on an Ethernet port
- Ethernet port-based VLAN transparent transmission and filtering

Product Function

Automatic Service Provisioning

- Authentication exemption
- XML/OMCI/TR069

Smart O&M

- XML / Web UI
- eSight management
- 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
- 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
- Support four authentication methods for EAP-MD5/TLS/TTLS/PEAP of 802.1x