



# 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.<br>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