

ONU (Optical Network Unit) GPON BOAGR- 1GE



Features

- Compliance with IEEE 802.3ah & itu-t g.984.x standard
- GPON:8 T-CONTs,32 GEM Ports
- Supports the WEB configuration function
- Layer 2 Switching, support 802.1Q VLAN, 802.1P QOS, Bandwidth Control, Spanning Tree, etc
- Supports the configuration of Ethernet interface rates, working modes,MDI/ MDIX auto-negotiation mode, and Pause flow control
- Provides performance statistics on all Ethernet lines
- Support multicast IGMP snooping
- Supports the L2 wire speed forwarding
- Supports the AES-128 algorithm for data encryption of downlink data

Applications

BOAGR-1GE ONU is a user terminal device independently developed by SUPERLINK in line with such industrial background.The device has built-in two-layer switching function . With compact structure and small

appearance, it is a kind of FTTH GPON optical network unit with high performance and low power consumption, which is very suitable for the application requirements of various data services in FTTH networking scenarios of various operators.

Description

A passive optical network (PON) is a fiber-optic telecommunications technology for delivering broadband network access to end customers. Its architecture implements a point-to-multipoint topology in which a single optical fiber serves multiple endpoints by using unpowered (passive) fiber optic splitters to divide the fiber bandwidth among the endpoints. Passive optical networks are often referred to as the last mile between an Internet service provider (ISP) and its customers.

Detailed product specifications

1 Hardware Specifications

| | |
|-------------------------|-----------------------------------|
| Size (L*W*H) | 110mm (L) ×89mm (W) ×29mm (H) |
| Optical signal access | 1*GPON |
| User interface | 1GE |
| Indicator light | POWER/PON/LOS/LAN |
| Button | Power switch Button, Reset Button |
| Weight | 100g |
| Power adapter input | 100V~240VAC, 50Hz~60Hz |
| PowerSupply requirement | 12V DC , 0.5A |
| Power consumption | <6w |
| Working temperature | -10°C ~ +45°C |
| Environment humidity | 5% ~ 95% (Non-condensing) |
| | |

2 PON Interface

| | |
|------------------------------|---|
| Module type | Class B+ SC/UPC |
| Working wavelength | up 1310nm , down 1490nm |
| TX Optical power value | 0.5~4dbm |
| RX Optical power sensitivity | -27dBm |
| Transmission distance | 0~20km |
| Transmission rate | GPON:Uplink 1.244Gbps; downlink 2.488Gbps |
| | |

3 Ethernet interface

| | |
|----------------------|---|
| Interface type | RJ45 |
| Interface parameters | 1 x 10/100/1000Mbps auto adaptive Ethernet interfaces |