

4GE PoE GPON ONT

Model: BD-ONU-114G-BE+



Overview

The GPON ONU is type POE product, with 4 fixed 10/100/1000Mbps auto-adapted POE ports. It supports IEEE802.3af 15.4W and IEEE802.3at 30W POE standards. It can auto discovery the power receiving devices which support IEEE802.3af/at standard and supply power to it.

To the connected devices which not support PoE, it will auto stop supplying power. The ONU supports to work with IP camera, IP phone, wireless AP and other network devices, and supply power to these devices. It works with central device OLT to implement integrated management, long-distance fault location and decrease maintenance workload. It is metal casing design and suitable for FTTB/FTTH. It is mainly applied to security surveillance, smart city,tunnel monitoring, coal mine network etc.

Feature

- Apply to ITU-T G.984/G.988
- Support auto discovery and auto register (real-time operation)
- Support DBA and multi types SLA
- Support IGMP Snooping V2 multi-broadcast function
- Support EMI and ESD identification
- Support VLAN
- Support powerful OAM and remote management
- Support state detection and fault location
- Support power failure alarm
- Each PoE port supports to auto discovery the standard power receiving devices
- Support IEEE802.3af 15.4W and IEEE802.3at 30W PoE standards

**Technical Parameter**

Parameter	Specification
Wavelength	1310 (TX) /1490 (RX)
Optical power	-1~+4dBm
Receiving sensitivity	-25dBm
Max transmission distance	20 km
Space of buffer storage	1.25MB
MTBF	100,000 hours
PON connector	SC/PC
PON trait	Support IEEE802.3ah Support Dynamic Bandwidth Allocation (DBA) Support ONU auto-searching and automatic registration (real-time operation)
Standard and Protocol	Support IEEE802.3, IEEE802.3u IGMP Snooping V2 Support IEEE802.1q WLAN Support IEEE802.1p QOS
POE	Supplying power port: 4 ports Standard: IEEE802.3af 15.4W, IEEE802.3at 30W Working mode: auto discover and power/dis-power receiving power device
Network management	Cooperating with center OLT, implement management configuration and software upgrade to ONU

Working Environment

Parameter	Specification
Power	DC48V (external)
Power consumption	4.5W, Max POE supplying power 120W
Operating temperature	-20~70℃
Storage temperature	-40~85℃
Humidity	5%~90% non-condensing
Dimension	31mm(H)×126mm(W)×123mm(D) (external)
Weight	0.43Kg

Order information:

BD-ONU-114G-BE+	4GE GPON ONT, metal case, poe, with power adapter
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