



OP-P0100 1GE Outdoor EPON ONT



1GE Outdoor EPON ONU OPTOSTAR OP-P0100 is the Outdoor EPON ONU devices. The OP-P0100 designed with one EPON port, one standard 10/100/1000 Base-TX Ethernet ports. It is aluminum alloy die casting shaping, and have good heat dissipation. It's apply to road traffic, urban security, public security video monitoring system, have good high performance-cost.

OP-P0100 is based on ZTE high-performance xPON access chip. The chip supposes three mode: GPON/EPON/P2P, comply with the GPON standard of g.984, g.983, 802.3-2005, CTC EPON equipment technical requirements, have good xPON interoperability compatibility.

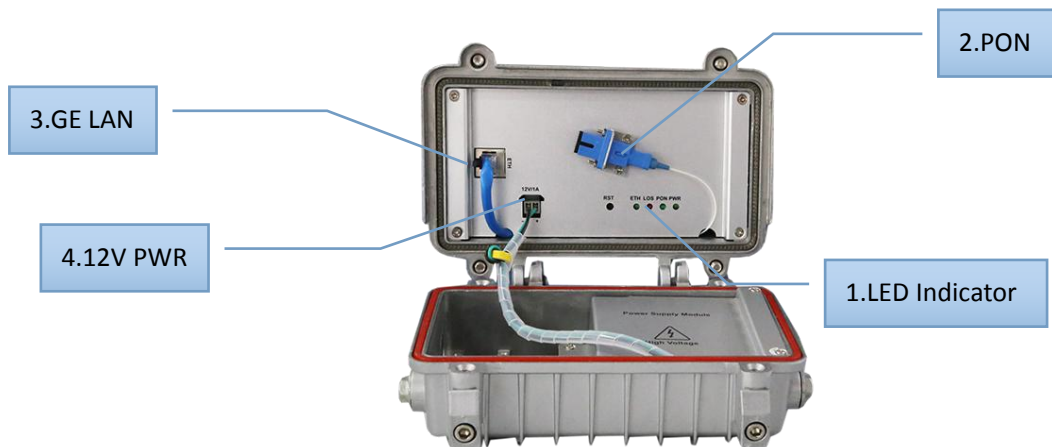
1GE Outdoor EPON ONU – OP-P0100 has high reliability and QoS services, easy management, flexible expansion of the features. Product function and performance meet of the ITU – T, IEEE, international, industry standards and technical specification.

1GE Outdoor EPON ONU – OP-P0100 is the EPON ONU device. The OP-P0100 designed with one EPON port, four standard 10/100/1000 Base-TX Ethernet ports. OP-P0100 provides the key functionality of 802.3ah EPON ONU. By using the EPON technology, OP-P0100 provides the high-speed data channel through a single optical fiber with a rate of 1.25 Gbit/s on bidirectional network. In addition, It offers the customer with the guarantee of stable QOS, and the flexible bandwidth allocation of Ethernet and IP integrated service.

Features

- Aluminum alloy die casting shaping, good heat dissipation
- Compliant with IEEE802.3ah Standard.
- Maximum distance:20km;Maximum splitting Ratio:1:64
- Support port-based rate limitation and bandwidth control
- Support data encryption
- Support multicasting
- Support Dynamic Bandwidth Allocation (DBA)
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support Port-based VLAN and IEEE802.1Q VLAN
- Support performance statistics based on ports
- Support ACL achieve the purposes of access control
- Support various LLID configuration and single LLID configuration. Different user and different service could provide different QoS by means of different LLID channels
- Support software online upgrading
- EMS network management based on SNMP

Interface introduction



Parameter

Item	Parameters	Specification
Interface	PON Port	One EPON port Meet 1000BASE-PX20+ standard Up to 1.25Gbps Upstream and Down-stream SC Connector Single-mode fiber, single-strand Maximum split ratio 1:64 Up to 20Km distance

	Ethernet Port(LAN)	One 10/100/1000M auto-negotiation Full/Half-Duplex RJ45 type connector , Auto MDI/MDI-X Up to 100m distance
	Power Supply Port	220VAC
Management	Network Management	Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	Management Function	Status monitor, Configuration management, Alarm management, Log management
Indicator	Indicator Description	PWR: Power up or down PON: ONT registered LOS: Optical Link Status ETH: LAN Status
Environmental Specifications	Shell	aluminum casing
	Power	Power supply: 220VAC Power consumption: <3W
	Dimensions / Weight	190mm×137mm×98mm <1.5kg
	Environment	Working Temperature: -10~65℃ Storage Temperature: -40~85℃ Working humidity: 10%~90% non-condensing Storage humidity: 10%~90% non-condensing

Network Construction

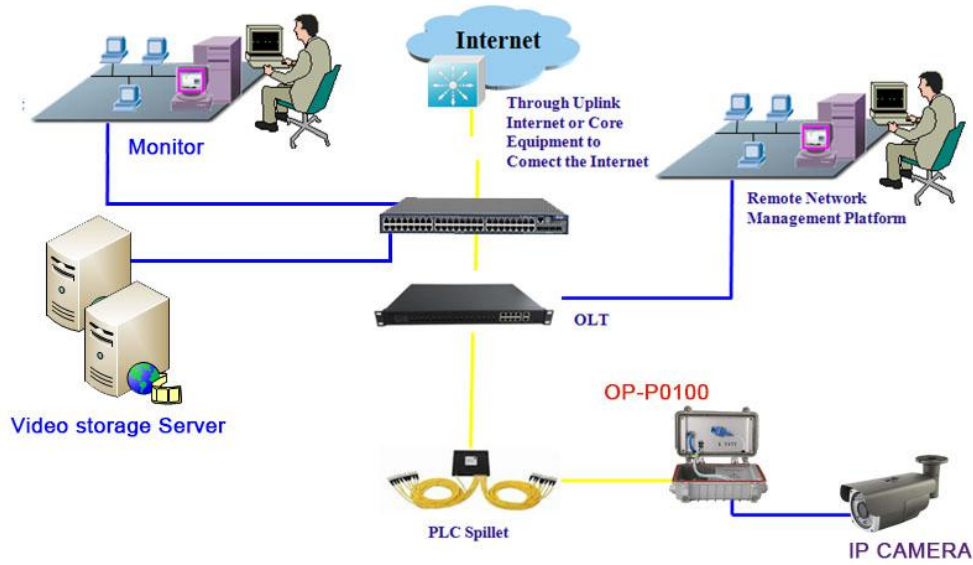


Figure: OP-P0100 Application Diagram

Ordering Information

Product Name	Product Model	Descriptions
Outdoor EPON ONU	OP-P0100	1x10/100/1000M auto-negotiation Ethernet interface, 1 EPON interface, Aluminum alloy die casting shaping, external power supply adapter