

FD111Y-Outdoor EPON ONU



Overview

FD111Y is the Outdoor EPON ONU devices. The FD111Y 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.

FD111Y 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.

FD111Y 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.

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

Specification

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

Applications

- ◇ CATV
- ◇ Internet Access
- ◇ VOD
- ◇ IPTV
- ◇ Camera monitor system

Ordering information

Product Name	Product Model	Descriptions
Outdoor EPON ONU	FD111Y	Built -in one ONU module, One 10/100/1000M Ethernet Ports, one EPON Port, aluminum casing, 220VAC power supply