Photo

General Description

EP-1001E1 EPON ONT is one of the EPON optical network unit design to meet the requirement of the broadband access network. It apply in FTTH/FTTO to provide the data and video service based on the EPON network.

EP-1001E1 is based on ZTE high-performance xPON access chip. The chip supposes three mode: GPON / EPON / P2P, comply with the 802.3-2005, CTC EPON equipment technical requirements, have good xPON interoperability compatibility.

EP-1001E1 provides one GE auto-adapting Ethernet ports. The EP-1001E1 features high-performance forwarding capabilities to ensure excellent experience with Internet and HD video services. Therefore, the EP-1001E1 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment.

Key Features

- Full compatible with IEEE802.3ah;
- Support port-based rate limitation and bandwidth control;
- In compliant with IEEE802.3ah Standard;
- Up to 20KM transmission Distance;
- Support data encryption, group broadcasting, port Vlan separation , etc.
- Support Dynamic Bandwidth Allocation (DBA);
- Support ONU auto-discovery/Link detection/remote upgrade of software;
- Support VLAN division and user separation to avoid broadcast storm;
- Support power-off alarm function ,easy for link problem detection;
- Support broadcasting storm resistance function;
- Support port isolation between different ports;
- Support three layer routing functions;
- Support ACL and SNMP to configure data packet filter flexibly;
- Specialized design for system breakdown prevention to maintain stable system;
- Support software online upgrading;
- EMS network management based on SNMP ,convenient for maintenance.

LED Indicator

Indicator		Description
LAN	LAN port status	**On**: Ethernet connection is normal; **Blinking**: Data is being transmitted through the Ethernet port; **Off**: Ethernet connection is not set up.
LOS	EPON optical signals	**On**: Optical power lower than receiver sensitivity; **Off**: Optical in normal.
PON	ONU register	**On**: Success to register to OLT; **Blinking**: In process of registering to OLT; **Off**: In process of registering to OLT.
PWR	Power status	**On**: The ONT is power on; **Off**: The ONT is Power off.

Specification

Item	Parameters	Specification
Interface	PON Port	1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber Split ratio: 1:64 Transmission distance 20KM
	Ethernet Port (LAN)	1*GE Auto-negotiation RJ45 ports Full Duplex / Half-Duplex RJ45, Auto-MDI/MDI-X Transmission Distance 100 Meter
	Power Supply Port	12V DC input
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.
Environmental Specifications	Shell	Plastic casing
	Power	External 12V 0.5A DC power supply adapter Power consumption: <3W
	Dimensions	110mm(L) x70mm(W) x30mm (H) 0.1kg
	Environment	Operating Temperature: 0 C° ~ 50C° Storage Temperature: -40 C° ~ 85C° Operating Humidity: 10% ~ 90% (Non-condensing) Storage Humidity: 10% ~ 90% (Non-condensing)

Order Information

Product Name	Product Model	Description
SFU GEPON ONU	FORA EP-1001E1	1*10/100/1000M Ethernet interface, 1 EPON interface, plastic casing, external power supply adapter