



General Description

FORA EP-1001E is a single-user ONU, designed for deferent FTTH solutions. The carrier-class FTTH application provides date service access.

FORA EP-1001E adopts high-performance and low-consumption ZTE ZX279125 chip, and supports CTC 3.0 interconnection and interworking standard of China Telecom. It can provide subscribers with abundant services, and totally meet the needs of carrier-class FTTH devices.

Key Features

- ❖ Router mode supports PPPoE / DHCP / static IP;
- ❖ Support port-based rate limitation and bandwidth control;
- ❖ In compliant with IEEE 802.3ah 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 ACL and SNMP to configure data packet filter flexibly;
- ❖ Specialized design for system breakdown prevention to maintain stable system.

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*10/100/1000M Auto-negotiation RJ45 port Full Duplex / Half-Duplex Mode RJ45 connector, Auto-MDI/MDI-X Transmission Distance 100 Meter
	Power Supply Port	12V DC Power Supply
Performance Parameters	PON Optical Parameter	Wavelength: Tx 1310nm, Rx 1490nm Tx Optical Power: -1 ~ +4dBm Rx Sensitivity: -27dBm Saturation Optical Power: -3dBm Connector Type: SC Optical Fiber: 9/125μm single-mode fiber
	Data Transmission Parameter	PON Throughput: Downstream 950Mbps; Upstream 930Mbps Packet Loss Ratio: <1*10E-12 Latency: <1.5ms
	Gateway	Router mode supports PPPoE / DHCP / static IP WAN support Route and Bridge mode WAN support Internet, VoIP, IPTV, TR069 LAN supports DHCP and static IP Support NAT and NAPT Support UPnP
	Business Capability	Layer 2 wire speed switching Support VLAN TAG/UNTAG, VLAN conversion Support Port-based speed limitation Support Priority classification Support storm control of broadcast
Management	Network Management	Support ITU-T G.984 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	Management Function	Status monitor, Configuration / Alarm / Log management.
Environmental Specifications	Shell	Plastic casing
	Power	External 12V 0.5A DC power supply adapter Power consumption: <2.3W
	Dimensions	110mm(L) x 89mm(W) x 31mm (H); Weight: 110g
	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 GE PON ONU	FORA EP-1001E	1*10/100/1000M Ethernet interface, 1 GE PON interface, plastic casing, external power supply adapter