Photo

General Description

FORA GP-1001H - single-user ONU, designed for deferent FTTH solutions. The carrier-class FTTH application provides date service access.

FORA GP-1001H adopts high-performance and low-consumption ZTE 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 ITU-T G.984 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.

Hardware specification

Item	Parameters	Specification
Interface	**PON Port**	1 GPON optical interface Meet Class B+ standard Upstream 1.244Gbps; downstream 2.488Gbps; 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, Rx1490nm Tx Optical Power: 0.5～+5dBm Rx Sensitivity: -27dBm Saturation Optical Power: -8dBm Connector Type: SC Optical Fiber: 9/125ɥm single-mode fiber
	Data Transmission Parameter	PON Throughput: Downstream 2300Mbps; Upstream 1110Mbps, Packet Loss Ratio: <1*10E-12 Latency: <1.5ms
	Gateway	Router mode supports PPPoE / DHCP / static IP WAN support Route rand 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) x70mm(W) x30mm (H); Weight: 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 GPON ONU	FORA GP-1001H	1*10/100/1000M Ethernet interface, 1 GPON interface, plastic casing, external power supply adapter