



Photo



General Description

NA-1001D is a new EPON ONU production of our company's which passive optical network terminal series. It provides one 10/100/1000Mbps Base-T interface, one optical interface, and it is very impact. Suitable for home and small business users, can meet the FTTH high-speed data transmission of the application.

Key Features

- It takes the PTMP (Point to Multipoint) network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet standard RJ-45 interface, smoothly interconnects with existing networks.
- Full management through an OAM protocol based on IEEE 802.3ah, including configuration, alarm, performance monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well.
- Supports IGMP multicast, effective use of broadband;
- Supports multicast VLAN;
- Supports China Telecom CTC protocol;
- Supports FEC and DBA;
- Supports IEEE 802.1Q (VLAN protocol) and IEEE 802.1p (QoS protocol);
- Supports storm-control (unicast/multicast/broadcast);
- Supports remote loopback and network status diagnosis;
- Supports flow statistics.



Specification

Item	Parameter
User Interface	1 x 10/100/1000M RJ45 port
PON	Transmission Speed: Upstream / Downstream symmetrical 1Gbps Network coverage radius: 20KM Optical receiver sensitivity: $\geq -26\text{dBm}$ Receiver overload: $\geq -7\text{dBm}$ Optical launch power: $> 0\text{dBm}$ Security: ONU authentication mechanism
Protocol	Compliant with IEEE 802.3ah YD/T 1475-2006 IEEE 802.1D, Spanning Tree IEEE 802.1w, RSTP IEEE 802.1Q, VLAN IEEE 802.3ad, LACP Ethernet-II, Ethernet-SNAP
VLAN	Port-Based VLAN GVRP IEEE 802.1Q VLAN
QoS	Backpressure flow control (half-duplex) IEEE 802.3x flow control (full-duplex) Prevent Head of Line IEEE 802.1p, CoS WR, SP and FIFO queue scheduling algorithm Port rate limit
Safety	IEEE 802.1x, access control based upon Port Support local and remote RADIUS CHAP, EAP certification Storm-control, Port protection
Management	Various management modes such as Web, TELNET Debug function
Physical Features	Size: 68mm(L) x 60mm(W) x 26mm(H) Gross/Net Weight: 0.14kg/0.15kg Operating temperature: $0^{\circ}\text{C} \sim 60^{\circ}\text{C}$ Operating humidity: 10% ~ 85% non-condensing Storage temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$ Storage humidity: 5% ~ 95% non-condensing
Power	Input: 110 ~ 240 VAC Output: 5V / 1 A DC Power interface size: 1.3/3.5mm Power consumption: 2.5W



Order Information

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