

## Photo



## General Description

EPON ONU FORA NA-1001C is mainly designed for FTTH, FTTO application. It supports 1000Base-PX20+ standard with 1:64 maximum optical splitting ratio and 20km distance, and provides 1 uplink GE PON port and 1 GE RJ-45 port. ONU FORA NA-1001C together with OLT could realize flexible network structure and maintenance and provide total FTTx solutions.

## Key Features

- 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;
- Specialized design for system breakdown prevention to maintain stable system;
- Support software online upgrading EMS network management based on SNMP, convenient for maintenance.

## Specification

Item	Parameter
<b>Interface</b>	<b>PON Interface</b> 1 EPON optical interface Meet 1000BASE-PX20+ standard Symmetric 1.25Gbps upstream/downstream SC single-mode fiber Split ratio:1:64 Transmission distance 20KM
	<b>User Ethernet Interface</b> 1*10/100/1000M auto-negotiation Full/half duplex mode RJ45 connector Auto MDI/MDI-X 100m distance
	<b>Power Interface</b> 12V DC Power supply
<b>Performance Parameters</b>	<b>PON Optical Parameter</b> 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
	<b>Data Transmission Parameter</b> PON Throughput: Downstream 950Mbps; Upstream 930Mbps Ethernet: 1000Mbps
	<b>Business Capability</b> Layer 2 wire speed switching Support VLAN TAG/UNTAG, VLAN translation Support Port-based speed limitation Support Priority classification Support storm control of broadcast
<b>Network Management</b>	<b>Management Mode</b> Support IEEE802.3 QAM, ONU can be remotely managed by OLT Support Remote management through SNMP and Telnet Local management
	<b>Management Function</b> Status monitor, Configuration management, Alarm management, Log management
<b>Indicators</b>	<b>LED Indicator</b> PWR: Power up or down SYS: System instructions OPTIN: Optical Link Status LINK: ONU Registered LAN: Link Status of Ethernet Interface
<b>Physical Features</b>	<b>Shell</b> Plastic casing
	<b>Power</b> External 12V 0.5A AC/DC power supply adapter Power consumption: <2.3W
	<b>Physical Specifications</b> Item Dimension: 110mm(L) x 70mm(W) x 30mm (H) Item weight: 0.1kg
	<b>Environmental Specifications</b> Operating temperature: 0 to 50 °C Storage temperature: -40 to 85 °C Operating humidity: 10% to 90% (Non-condensing) Storage humidity: 10% to 90% (Non-condensing)

## Order Information

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