

## Photo



## General Description

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

FORA EP-1001H MINI 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 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.

## Hardware specification

| Item                   | Parameters                  | Specification   |
|------------------------|-----------------------------|---|
| Interface              | PON Port                    | 1 EPON optical interface<br>Meet 1000BASE-PX20+ standard<br>Symmetric 1.25Gbps upstream/downstream<br>SC single-mode fiber<br>Split ratio: 1:64<br>Transmission distance 20KM                 |
|                        | Ethernet Port (LAN)         | 1*10/100/1000M Auto-negotiation RJ45 port<br>Full Duplex / Half-Duplex Mode<br>RJ45 connector, Auto-MDI/MDI-X<br>Transmission Distance 100 Meter  |
|                        | Power Supply Port           | 12V DC Power Supply   |
| Performance Parameters | PON Optical Parameter       | Wavelength: Tx 1310nm, Rx 1490nm<br>Tx Optical Power: -1~+4dBm<br>Rx Sensitivity: -27dBm<br>Saturation Optical Power: -3dBm<br>Connector Type: SC<br>Optical Fiber: 9/125μm single-mode fiber |
|                        | Data Transmission Parameter | PON Throughput: Downstream 950Mbps; Upstream 930Mbps,<br>Packet Loss Ratio: <1*10E-12<br>Latency: <1.5ms  |

|                                     |                            |  |
|-------------------------------------|----------------------------|--|
|                                     | <b>Gateway</b>             | Router mode supports PPPoE / DHCP / static IP<br>WAN support Route and Bridge mode<br>WAN support Internet, VoIP, IPTV, TR069<br>LAN supports DHCP and static IP<br>Support NAT and NAPT<br>Support UPnP |
|                                     | <b>Business Capability</b> | Layer 2 wire speed switching<br>Support VLAN TAG/UNTAG, VLAN conversion<br>Support Port-based speed limitation<br>Support Priority classification<br>Support storm control of broadcast                  |
| <b>Management</b>                   | <b>Network Management</b>  | Support ITU-T G.984 QAM, ONU can be remotely managed by OLT.<br>Support Remote management through SNMP and Telnet.<br>Local management.  |
|                                     | <b>Management Function</b> | Status monitor, Configuration / Alarm / Log management.  |
| <b>Environmental Specifications</b> | <b>Shell</b>               | Plastic casing   |
|                                     | <b>Power</b>               | External 12V 0.5A DC power supply adapter; Power consumption: <2.3W  |
|                                     | <b>Dimensions</b>          | 54mm(L) x 54mm(W) x 23mm (H); Weight: 45g  |
|                                     | <b>Environment</b>         | Operating Temperature: 0 C° ~ 50C°<br>Storage Temperature: -40 C° ~ 85C°<br>Operating Humidity: 10% ~ 90% (Non-condensing)<br>Storage Humidity: 10% ~ 90% (Non-condensing)                               |

## Order Information

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