

# 1 GE port G/EPON ONU

## ONU 970/1GE

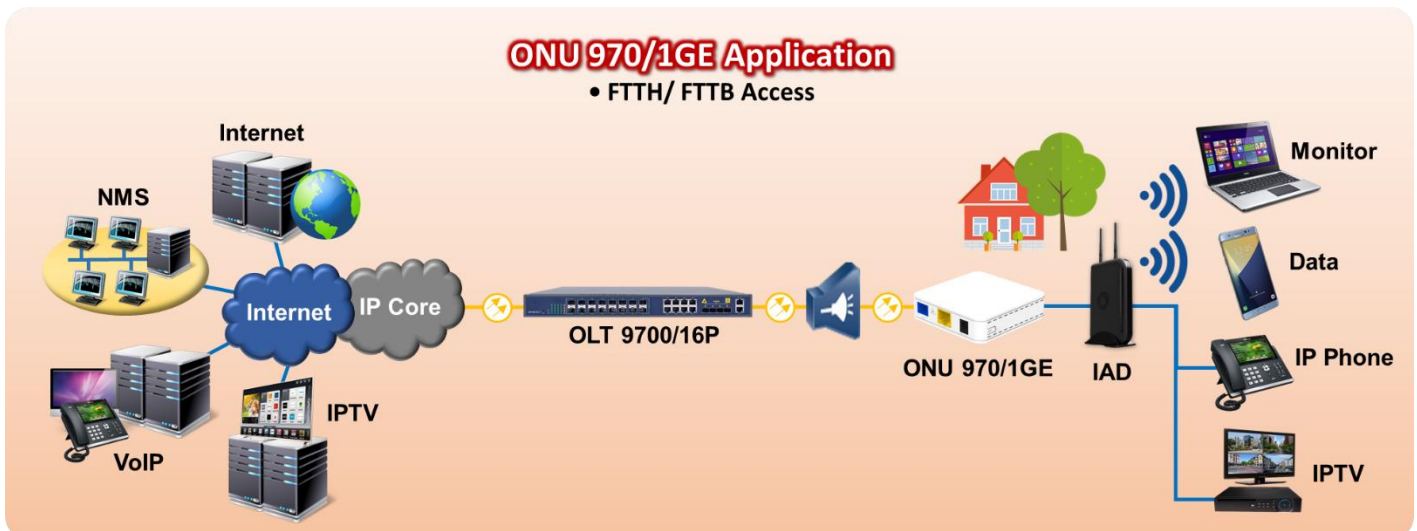


- Support Dual mode, can access EPON/ GPON OLTs
- Support wide temperature environment
- Detecting Rouge ONU, Hardware Dying Gasp
- Powerful firewall function
- Support port rate limiting
- Auto VLAN detection

Tainet ONU 970/1GE is support Dual mode (EPON and GPON), it can also be applied to a wide temperature environment, and has a powerful firewall function.

Tainet ONU 970/1GE meets telecom operators FTTO (Office), FTTD (Desk), FTTH (Home) broadband speed, SOHO broadband access, video surveillance, other requirements and design a GPON/ EPON Gigabit Ethernet products. The box is based on the mature Gigabit GPON/ EPON technology, highly reliable and easy to maintain, with guaranteed QoS for the different service.

Tainet ONU 970/1GE is fully compliant with technical regulations such as ITU-T G.984.x and IEEE802.3ah.



### Model

- ONU 970/1GE, 1 x G/EPON, 1 x GE

### PON Interface

- SNMP、Telnet、CLI、WEB、SSH v1/v2
- 1 x G/EPON port (EPON PX20+ and GPON Class B+)
- Wavelength: Tx 1310nm, Rx 1490nm
- SC/UPC connector
- Receiving saturation  $\geq$  -8dBm
- Receiving sensitivity  $\leq$  -28dBm
- Transmitting optical power: 0 ~ +4dBm
- Transmission distance: 20KM

### LAN Interface

- 1 x 10/100/1000Mbps auto adaptive Ethernet interfaces, 10/100/1000M Full/Half, RJ45 connector

### Software Key Feature

- Software mode: Bridging mode and Routing mode
- Abnormal protection: Rogue Detecting, HW Dying Gasp
- Firewall: DDoS, Filtering Based on ACL/ MAC/ URL

### Software Parameters: Basic

- Support MPCP discover & register
- Support authentication MAC/ LOID/ MAC + LOID
- Support Triple Churning
- Support DBA bandwidth
- Support auto-detecting, auto-configuration, and auto firmware upgrade
- Support authentication SN/ PSW/ LOID/ LOID + PSW

### Software Parameters: Alarm

- Support Dying Gasp
- Support Port Loop Detect
- Support Eth Port Los

### Software Parameters: LAN

- Support Port rate limiting
- Support Loop detection
- Support Flow control
- Support Storm control

### Software Parameters: VLAN

- Support VLAN tag mode
- Support VLAN transparent mode
- Support VLAN trunk mode (max 8 VLANs)
- Support VLAN 1:1 translation mode (max 8 VLANs)
- Auto VLAN detection

### Software Parameters: Multicast

- Support IGMPv1/ v2
- Support IGMP Snooping
- Max Multicast VLAN 8
- Max Multicast Group 64

### Software Parameters: QoS

- Support 4 queues
- Support SP and WRR
- Support 802.1P

### Software Parameters: L3

- Support IPv4
- Support DHCP/ PPPoE/ Static IP
- Support Static route
- Support NAT

### Software Parameters: Management

- Support ITUT984.x OMCI
- Support Web
- Support Telnet
- Support CLI

### Software Parameters: Throughput

- Upstream > 900Mbps
- Downstream > 960Mbps

### Power Supply

- DC 12V/ 0.5A
- Power Consumption  $\leq$  4W

### LED Indicators

- 3 for Status of REG, SYS, LINK/ ACT

### Dimension

- 82 (L) x 82 (W) x 25 (H) mm
- Net weight: 85g

### Operating Environment

- Operation Temperature: -30°C ~ 70°C
- Storage Temperature: -30°C ~ 70 °C
- Humidity: 10% ~ 90% (non-condensing)