

# ONT 970/4GE

## 4 Gigabit Ethernet Passive Optical Network Terminal



- Complied with ITU-T G.984/988
- Supports the PON transmission rate of downlink 2.5Gbp/ uplink 1.25Gbps
- Supports VLAN, STP, port isolation, ACL, QoS and Broadcast Storm Control
- Supports DBA and Rate-Limit
- Supports advanced dynamic bandwidth distribution and accurate bandwidth limit
- Supports QOS function
- Supports the standard OMCI defined by ITU-T, including configuration, alarm, performance monitoring, fault isolation and security management

TAINET ONT 970/4GE is a new generation smart ONU with 4 10/100/1000M Base-T Ethernet ports for integrated multi-service networks. It is complied with the international standard ITU-T G.9844/988. The fiber access provides high-speed data channels and meets FTTH requirements, which can provide enough bandwidth supports for a variety of emerging network services. Four channel of 10/100/1000M self-adaption Ethernet interface are provided, which can be used by multiple users simultaneously.



## ONT 970/4GE – Optical Network Terminal

- ONT 970/4GE: 4\*Gigabit Ethernet

### PON Interface

- Downlink 2.5Gbps / Uplink 1.25Gbps
- Network covering radius: 20km
- Type of optical interface: SC/UPC
- Hi-sensible optical receiver:  $\leq$ - 27dBm
- Radiation power: 0 ~ 4dBm
- Security: ONU authentication mechanism

### Standards

- ITU-T G.984/G.988
- IEEE 802.1D Spanning Tree
- IEEE 802.1Q VLAN
- IEEE 802.1w RSTP
- ITU-T Y.1291

### VLAN

- Supports 64 VLANs (1~4094)
- Port based VLAN
- IEEE 802.1Q VLAN

### Multicast

- IGMP Snooping
- MLD-Snooping

### Reliability

- Loop detection
- Dying – Gasp

### QoS

- Backpressure flow control (half duplex)
- IEEE 802.3x flow control (full duplex)
- Head of Line (HOL) mechanism
- IEEE 802.1p CoS
- Four priority queues on each port
- WR SP and FIFO
- Port rate limit

### Security

- Limitation to the number of MAC addresses on the port
- Port protection
- Port storm control

### Management

- CLI, Web, SNMP and Telnet
- Software upgrade through TFTP and Web
- Local syslog or server syslog

### Dimensions

- 130(W) x 100(D) x 28(H) mm

### Heat dissipation

- Supports long-time use (For instance, 24 hours)
- The device running hot will not affect its performance or cause it break down.

### EPON Service

- AES128 algorithm encryption
- MAC/Loid/Hybrid authentication

### Environment

- Operating temperature: 0°C ~ 45°C; 10% ~ 85% non-condensation
- Storage temperature: -40°C ~ 85°C; 5% ~ 95% non-condensation

### Power Supply

- DC 12V/0.5A (external adaptor power supply)

### Power Consumption

- < 6W

