

ONT 970/4G4T

4 Gigabit Ethernet (PoE) 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
- Support 802.af/at, working temperature can reach up to 70°C

TAINET ONT 970/4G4T is a new generation smart ONT for integrated multi-service broadband access networks.

TAINET ONT 970/4G4T, involving multiple models, supports common enterprise broadband access service, POE service and outdoor wide-temperature.

TAINET ONT 970/4G4T is complied with the international standard ITU-T G.984/988



ONT 970/4G4T – Optical Network Terminal

- ONT 970/4G4T: 1*SC/UPC, 4*GE PoE

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

System Capacity

- DRAM (MB): 128
- Flash (MB): 128
- MAC table: 2K
- VLAN ID: 4K

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

- 4K VLAN
- Port based VLAN
- IEEE 802.1Q VLAN
- Tag/Transparent/Aggregation/Trunk/Translation mode VLAN

Multicast

- IGMP Snooping
- MLD-Snooping
- Multicast group limitation
- Multicast fast-leave

Reliability

- Loop detection
- Dying – Gasp
- TX/RX optical power alarm

QoS

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

Network Security

- MAC address number limit
- MAC filter
- Port protection

Management

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

Dimensions

- 170(W) x 98(D) x 28(H) mm

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

- Input: 100-240V AC
- Output: DC 53.5V/1.2A
- Max. consumption: 65W (with PoE)

