

ONT 97x Series

Passive Optical Network Terminal



- Meets FTTH requirements to provide high-speed Internet access and voice service
- Supports DBA (Dynamic Bandwidth Assignment)
- Downlink speed up to 2.5Gbits/s and uplink speed up to 1.25Gbits/s
- 10M/100M/1000M rate, full/half duplex self-adaption
- Supports two channels of SIP/H248-Protocol-based voice services
- Wifi router with a maximum coverage distance of 100~300 meters is provided, the actual coverage distance depends on the wireless environment
- Supports Bridge or Router Mode or mixed working mode. Under Router mode, static configuration of multiple working modes such as IP address, DHCP and PPPoE are supported
- Supports DHCP server function, which facilitates users to configure the network
- Supports TR069 protocol
- Supports remote firmware upgrade of the device, which allows easy maintenance

TAINET's ONU 97xx Series is a GPON-technology-based gateway ONU designed for home and SOHO (small office and home office) users. It is designed with one optical interface which is compliant with ITU-T G984.X and ITU-T G.988 standards.

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. Two voice interfaces, four channel of 10/100/1000M self-adaption Ethernet interface are provided, which can be used by multiple users simultaneously.

The ONU 97xx Series supports 802.11ac dual-frequency bands Wi-Fi (2.4 GHz and 5.8 GHz) interface. It supports flexible applications and plug and play, as well as provides high-quality voice, data and high-definition video services to users. Furthermore, it provides ideal terminal solutions and future business supports capabilities for FTTH deployment.



ONT 97x – Optical Network Terminal

- ONT 972: 1*Gigabit Ethernet
- ONT 974W: 4*Gigabit Ethernet + WiFi
- ONT 974W2V: 4*Gigabit Ethernet + 2*FXS + 2.4&5.8G WIFI

Specifications

- Uplink Interface: One GPON port
- Optical Connector: SC/UPC or SC/APC (optional)
- Service Interface:
 - ONT 972: One 10/100/1000 Base-T ports (RJ45)
 - ONT 974W: Four 10/100/1000 Base-T ports (RJ45)
 - ONT 974W2V: Four 10/100/1000 Base-T ports (RJ45)
- Power Supply & Consumption:
 - Power Consumption:
 - ONT 972: < 6W
 - ONT 974W: < 12W
 - ONT 974W2V: < 15W
 - Power Adapter Input: 100V to 240V AC, 50Hz/60Hz
 - Power Adapter Output:
 - ONT 972: 12V DC, 0.5A
 - ONT 974W: 12V DC, 1A
 - ONT 974W2V: 12V DC, 1.5A

ONT 974W & ONT 974W2V Wireless Description

- External antenna
- IEEE 802.11b/g/n compliant
- Frequency: 2.4 GHz / 5.8 GHz
- Two Transmit and Two Receive path (2T2R)

ONT 974W2V VoIP Interface

- Two FXS ports (RJ11)

ONT 972 Interface Description

- PON Interface: Connected to the upper OLT equipment
- LAN port: Connected to the terminal computer
- DC Connector: Connected 12V DC power adapter

ONT 974W & ONT 974W2V Interface Description

- LAN1~LAN4: Connect to PC or LAN
- DC/12V: Connect an external power supply
- Power Button: Turn on/off the unit
- Antenna: Transmit and receive Wi-Fi packets
- LED Indicator: Press for 2 seconds, all the LED turn off or turn on
- WPS Indicator: Press for 2 seconds, WPS function disable or enable
- WiFi Indicator: Press for 2 seconds, WLAN function disable or enable
- RESET: Press for 5~10 seconds, reset ONT to the factory configuration
- PON port: Connect optical network
- FXS1~FXS2 (ONT 974W2V): Connect to VoIP phone

Dimension

ONT 972: 105(W) x75(D) x 26(H) mm

ONT 974W: 175(W) x145.5(D) x 35(H) mm

ONT 974W2V: 205(W) x140 (D) x 30(H) mm

Operating Environment

- Operation Temperature: -5 °C ~ 50 °C
- Humidity: 10~90%, non-condensing

