



### ONT200-01R 1GE+CATV ONT

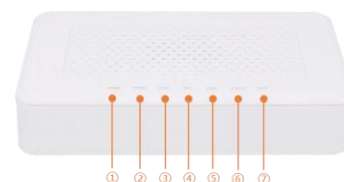
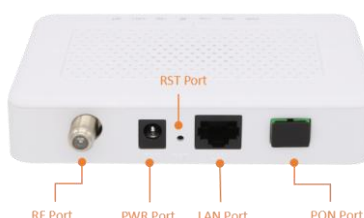
ONT200-01R dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access.

ONT200-01R is based on the mature, stable, high cost performance gigabit Ethernet switching, WDM and HFC technology. It has a higher bandwidth, higher reliability, easy management and good quality of service (QoS) guarantee with technical performance of equipment meet the ITU G. 984 and IEEE802.3ah requirements and have good compatibility with third party manufacturers OLT.

#### Features

- In compliant with ITU - T G.984.1/2/3/4 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Support multiple registration methods
- Support port VLAN configuration
- Support mac-address learning
- Support port-based rate limitation and bandwidth control
- Support broadcasting storm resistance function
- Support remote management configuration
- Support Dynamic Bandwidth Allocation (DBA)
- Support AES encryption and decryption
- Support remote CATV port management
- EMS network management based on SNMP, convenient for maintenance
- Support power-off alarm function, easy for link problem detection
- Support port flow-control

#### Product Interface and LED



- ① PWR
- ② PON
- ③ LOS
- ④ INT
- ⑤ LAN
- ⑥ CATV
- ⑦ OPT

## LED DEFINITIONS

Indicator		Description
PWR	Power Status	On: The ONU is power on Off: The ONU is Power off
PON	ONU Register	On: Success to register to OLT Blinking: In process of registering to OLT Off: Failed to register to OLT;
LOS	PON Optical Signals	On: Optical power lower than receiver sensitivity; Off: Optical in normal
INT	Internet Status Indicator	On: The routed WAN Internet access service is normal. Off: The routed WAN Internet access service is abnormal.
LAN	LAN Port Status	On: Ethernet connection is normal Blinking: Data is being transmitted through the Ethernet port Off: Ethernet connection is not set up
CATV	CATV Status	On: CATV optical normal Off: The CATV signals are not received
OPT	Light Intensity Indicator	On: higher than ONU RX maximum threshold; Flashing: lower than ONU RX minimum threshold; Off: ONU RX is within the normal threshold range.

## Hardware

- **GPON/EPON Port**
  - ✓ Single mode single fiber
  - ✓ GPON : FSAN G.984.2 standard, Class B+
  - ✓ EPON : 1000BASE-PX20+ symmetric
  - ✓ GPON : 2.488Gbps/1.244Gbps downstream/upstream
  - ✓ EPON : 1.25Gbps downstream/upstream
  - ✓ Wavelength: Transmit: 1310nm Receiver: 1490nm
  - ✓ Receiving sensitivity: GPON : -28dBm EPON : -27dBm
  - ✓ Saturated power: GPON : -8dBm EPON : -3dBm
  - ✓ Transmitting power: GPON : 0.5~5dBm EPON:0~4dBm
- **Indicators**
  - ✓ PWR / PON / LOS / LAN / CATV / INT / OPT
- **Power**
  - ✓ External 12VDC/0.5A power supply adapter
  - ✓ Power consumption: <4.5W
- **User Port(LAN)**
  - ✓ RJ-45 connector
  - ✓ 1\*10/100/1000Mbps adaptive Ethernet port
  - ✓ Full/half duplex
  - ✓ Auto MDI/MDI-X
- **CATV (Input /Output port)**
  - ✓ Wavelength: 1550nm
  - ✓ RF frequency: 47MHz~1000MHz
  - ✓ RF impedance: 75  $\Omega$
  - ✓ Input optical power: -18dBm~0dBm(with AGC)
  - ✓ RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)
  - ✓ RF output return loss: >12dB(with AGC)
- **Dimension and Weight**
  - ✓ Item Dimension: 125mm(L) x 80mm(W) x 28mm (H)
  - ✓ Item weight : 0.13kg
- **Environmental Specifications**
  - ✓ Operating temperature: 0 to 40°C
  - ✓ Storage temperature: -40 to 85°C
  - ✓ Operating humidity: 10% to 90%(Non-condensing)

### Software

- **Management**
  - ✓ EPON :OAM / WEB / TR069 / Telnet
  - ✓ GPON:OMCI / WEB / TR069 / Telnet
- **Register**
  - ✓ Auto-discovery/Link detection/Remote upgrade software
  - ✓ Auto/MAC/SN/LOID+Password authentication
- **Switch**
  - ✓ MAC address learning
  - ✓ MAC address learning account limit
  - ✓ Port flow control
  - ✓ Broadcast storm suppression
  - ✓ VLAN transparent/tag/translate/trunk
- **Multicast**
  - ✓ IGMP V2
  - ✓ IGMP VLAN
  - ✓ IGMP transparent/Snooping/Proxy
- **Security**
  - ✓ Firewall
  - ✓ MAC address/URL filter
  - ✓ Remote WEB/Telnet access control

### Network Application

- ✓ Typical Solution: FTTH
- ✓ Typical Business: Internet, CATV

### Ordering Information

PRODUCT MODEL	DESCRIPTIONS
ONT200-01R	FTTH/O ONT, 1 GPON/EPON interface (SC/APC), 1 Gigabit LAN port, CATV port