



ONT200-02NR 1GE+1FE+CATV+Wi-Fi(N300) ONT

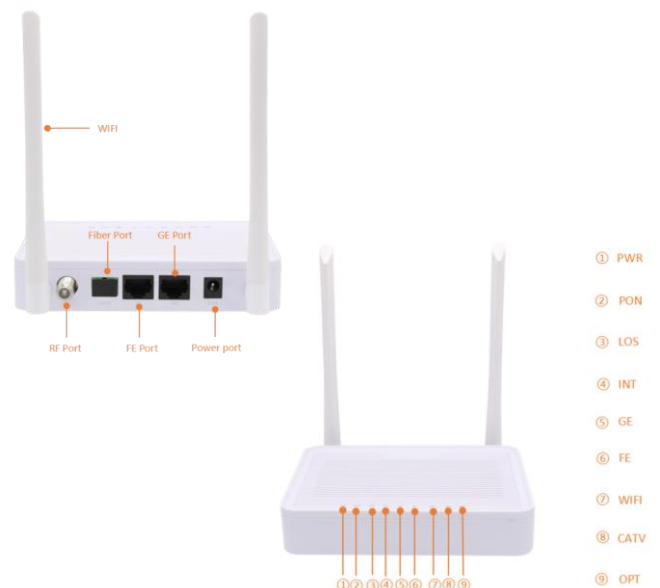
ONT200-02NR dual-mode ONU supports EPON and GPON two modes access. The ONU automatically switches into the corresponding PON mode by identifying the local OLT mode to complete GPON or EPON adaptive access. It adopts single fiber WDM technology with downlink wavelength 1550nm and 1490nm, uplink wavelength 1310nm. It only needs one-core fiber to transmit data and CATV service.

ONT200-02NR integrates wireless function which meets 802.11 b/g/n technical standards. It has two external high gain omnidirectional antennas, the wireless transmission rate up to 300Mbps. It has the characteristics of strong penetrating power and wide coverage. It can provide users with more efficient data transmission security.

Features

- Single-fiber access, provides internet, CATV, WIFI multiple service
- In compliant with ITU - T G. 984 and IEEE802.3ah standard
- Support ONU auto-discovery/Link detection/remote upgrade of software
- Meet 802.11 b/g/n WIFI technical standard
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding
- Support data encryption and decryption function
- Support Dynamic Bandwidth Allocation (DBA)
- Support MAC filter and URL access control
- Support remote CATV port management
- Support power-off alarm function ,easy for link problem detection
- Specialized design for system breakdown prevention to maintain stable system
- EMS network management based on SNMP ,convenient for maintenance

Product Interface and LED



LED DEFINITIONS

Indicator		Description
PWR	Power Status	On: The ONT is power on; Off: The ONT is Power off;
PON	ONT Register	On: Success to register to OLT; Blinking: In process of registering to OLT; Off: Failed to register to OLT or no normal optical signal input;
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.
GE	LAN Port Status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
FE	LAN Port Status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
Wi-Fi	Wi-Fi	Blinking: Data is being transmitted On: Wi-Fi function Opens
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
- CATV (Input /Output port)**
 - ✓ Wavelength: 1550nm
 - ✓ Input optical power: -18dBm~0dBm(with AGC)
 - ✓ RF frequency: 47MHz~1000MHz
 - ✓ RF output level: 78dBuV (@-12~-2dBm@85MHz) (with AGC)
 - ✓ RF output return loss: >12dB(with AGC)
 - ✓ RF impedance: 75 Ω
- Dimension and Weight**
 - ✓ Item Dimension: 160mm(L) x 139.5mm(W) x 28.5mm (H)
 - ✓ Item weight: 0.23kg
- User Port(LAN)**
 - ✓ RJ-45 connector
 - ✓ 1*10/100 and10/100/1000Mbps adaptive Ethernet port
 - ✓ Full/half duplex
 - ✓ Auto MDI/MDI-X
- WiFi performance parameters**
 - ✓ IEEE802.11b/g/n(2.4G)
 - ✓ Max rate: 300M(2.4G)
- Indicators**
 - ✓ PWR / PON / LOS / GE / FE / CATV / WIFI / INT / OPT
- Power**
 - ✓ External 12VDC/1A power supply adapter
 - ✓ Power consumption: <8.5W
- 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
- **L3**
 - ✓ IPv4/IPv6 Dual Stack
 - ✓ NAT
 - ✓ DHCP client/server
 - ✓ PPPOE client/ Pass through
 - ✓ Static and dynamic routing
- **Switch**
 - ✓ MAC address learning
 - ✓ MAC address learning account limit
 - ✓ Port isolation
 - ✓ Port flow control
 - ✓ Broadcast storm suppression
 - ✓ VLAN transparent/tag/translate/trunk
- **Multicast**
 - ✓ IGMP V2
 - ✓ IGMP VLAN
 - ✓ IGMP transparent/Snooping/Proxy
- **Wireless**
 - ✓ 2.4G: 4*SSID
 - ✓ 2*2 MIMO
 - ✓ Choose channel automatically
- **Security**
 - ✓ Firewall
 - ✓ MAC address/URL filter
 - ✓ Remote WEB/Telnet access control
- **Register**
 - ✓ Auto-discovery/Link detection/Remote upgrade software
 - ✓ Auto/MAC/SN/LOID+Password authentication

Network Application

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

Ordering Information

PRODUCT MODEL	DESCRIPTIONS
ONT200-02NR	FTTH/O ONT, 1 GPON/EPON interface (SC/APC), 1 Fast Ethernet LAN port, 1 Gigabit LAN port, Wireless 11N, CATV port, 2 external antennas