ONT200-24ACUR
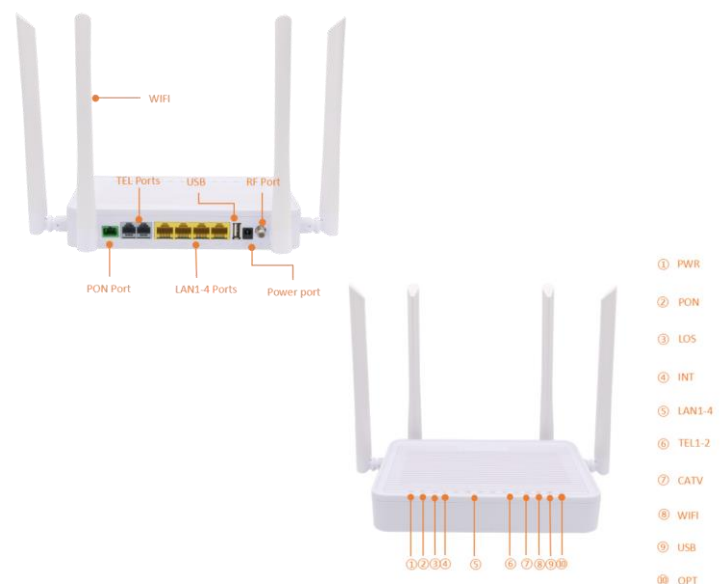### 4GE+2POTS+CATV+Wi-Fi(AC1200)+USB2.0 ONT

ONT200-24ACUR is an indoor fiber broadband access terminal. The device provides one GPON / EPON adaptive optical port and supports XPON mode. It can be used in connection with our company FD16 series GPON OLT or FD11 / 12 series EPON OLT. It can also interconnect with the mainstream manufacture (Huawei / ZTE / Fiberhome) GPON or EPON OLT to provide users with Internet, VOIP and CATV services based on GPON and EPON technology. The device performance and functions also meet IEEE802.3ah and ITU-T G984.X technical specifications.

ONT200-24ACUR integrates wireless function which meets 802.11 b/g/n/ac technical standards. It has four external high gain omnidirectional antennas and wireless transmission rate up to 867 Mbps. 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, VOICE, 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
- Support VLAN transparent, tag configuration
- Support multicast function
- Support DHCP/Static/PPPOE internet mode
- Support port-binding Support OAM/OMCI remote management
- 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

Product Interface and LED

WIFI

TEL Ports   USB   RF Port

PON Port   LAN1-4 Ports   Power port

① PWR
② PON
③ LOS
④ INT
⑤ LAN1-4
⑥ TEL1-2
⑦ CATV
⑧ WIFI
⑨ USB
⑩ OPT

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.
LAN1-4	LAN Port Status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
TEL1-2	Telephone Port Status	On: The connection between the TEL port and the voice server has been set up Blinking: The voice service of the TEL port is established; Off: The connection between the TEL port and the voice server is not set up.
CATV	CATV Status	On: CATV optical normal Off: The CATV signals are not received
Wi-Fi	Wi-Fi	Blinking: Data is being transmitted On: WIFI function Opens
USB	USB Port Status	On: USB connection is normal; Off: USB connection is not set up;
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

- User Port(LAN)
  - ✓ 4*10/100/1000 M Auto-negotiation RJ45 ports
  - ✓ Full Duplex / Half-Duplex
  - ✓ RJ45, Auto-MDI/MDI-X
  - ✓ Transmission Distance 100 Meter

- WIFI performance parameters
  - ✓ IEEE802.11b/g/n(2.4G)
  - ✓ IEEE802.11a/b/g/n/ac(5G)
  - ✓ Max rate: 300M(2.4G)
  - ✓ Max rate: 867Mbps(5G)

- 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: 75Ω

- Indicators
  - ✓ PWR / PON / LOS / LAN1-4 / TEL1-2 / CATV / WIFI / INT / USB / OPT

- Power
  - ✓ External 12VDC/1.5A power supply adapter Power
  - ✓ Power consumption: <15W

- Dimension and Weight
  - ✓ Item Dimension: 240mm(L) x 240mm(W) x 24mm (H)
  - ✓ Item weight: about 335g

- Environmental Specifications
  - ✓ Operating temperature: 0 to 40°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
  - ✓ Broadcast storm suppression
  - ✓ VLAN transparent/tag/translate/trunk

- Security
  - ✓ Firewall
  - ✓ MAC address/URL filter
  - ✓ Remote WEB/Telnet access control

- Wireless
  - ✓ 2.4G: 4*SSID
  - ✓ 5G: 4*SSID
  - ✓ 2*2 MIMO
  - ✓ Choose channel automatically

- Register
  - ✓ Auto-discovery/Link detection/Remote upgrade software
  - ✓ Auto/MAC/SN/LOID+Password authentication
  - ✓

Network Application

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

Ordering Information

PRODUCT MODEL	DESCRIPTIONS
ONT200-24ACUR	FTTH/O ONT, 1 GPON/EPON interface (SC/APC), 4 Gigabit LAN port, Wireless AC1200, 2 x FXS, CATV port, 1 x USB 2.0, 4 external antennas