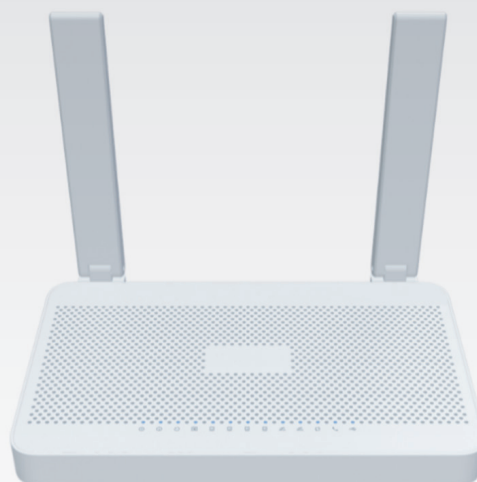


Product Highlights

- Wi-Fi 7 BE3600 Dual-Band Performance
- Carrier-Grade GPON Connectivity
- High-Speed Multi-Gigabit LAN
- All-in-One Triple-Play Gateway
- Advanced Management & Security



ONT200-15BEU (A2)

BE3600 Wi-Fi 7 GPON HGU

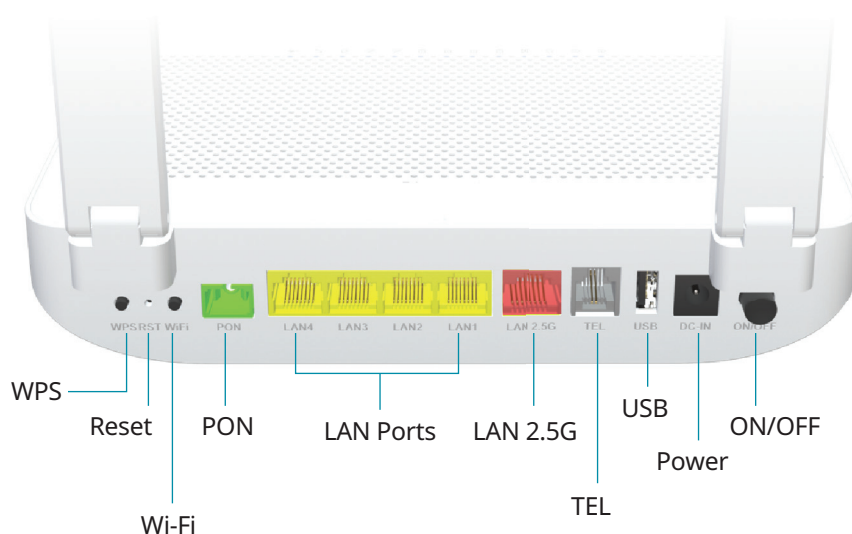
Features

- GPON WAN port with 1.244Gbps uplink / 2.488Gbps downlink link speed;
- 1x 10/100/1000/2500 BASE-T Ethernet RJ45 Ports;
- 4x 10/100/1000 BASE-T Ethernet RJ45 Ports;
- Support 2T2R 2GHz 802.11b/g/n/ac/ax/be, 688Mbps;
- Support 2T2R 5GHz 802.11a/n/ac/ax/be, 2882Mbps;
- Support VoIP with 1 FXS port;
- Support 1 USB port

ONT200-15BEU GPON ONT is a next-generation terminal-level GPON device designed for FTTB, FTTH, and FTTO access scenarios, it is built to meet carrier-grade requirements for modern FTTH network deployments.

The ONT supports pure data, Wi-Fi, and multiple service access types, enabling flexible triple-play service delivery. It is an ideal all-in-one access solution for both residential and business environments.

With support for standard OMCI, the ONT delivers high-speed GPON performance of up to 1.25Gbps uplink and 2.5Gbps downlink. Integrated dual-band 802.11be Wi-Fi 7 provides wireless speeds of up to 3.6Gbps for next-level connectivity.



Technical Specification	
General	
CPU	1.2GHz ARM CA53 dual-core
Chip model	AN7553CT
Memory	NAND FLASH 2Gbit(256MB)/ 512MB DDR3 SDRAM
Wi-Fi Chip	MT7990AN+MT7976CN
Bob Driver	EN7571N
GPON Protocol Specification	
• Comply ITU-T G.984 GPON standard: • G.984.1 general characteristics • G.984.2 physical Media Dependent (PMD) layer specifications • G.984.3 transmission convergence layer specifications • G.984.4 ONT management and control interface specification • Support DS/US transmission rate to 2.488 Gbps/1.244 Gbps • Wavelength: 1490 nm downstream & 1310 nm upstream • Comply with class B+ type PMD • Physical distance reach to 20 km • Support Dynamic Bandwidth Allocation (DBA) • GPON Encapsulation Method (GEM) supports Ethernet packet • Supports GEM header removal/insertion and data extraction/segmentation (GEM SAR) • Configurable AES DS and FEC DS/US • Support up to 8 T-CONs each with priority queues (US)	
Network Protocol Specifications	
• 802.3 10/100/1000/2500 Base T Ethernet • ANSI/IEEE 802.3 NWay auto-negotiation • 802.1Q VLAN tagging/un-tagging • Support flexible traffic classification • Support VLAN staking • Support VLAN Intelligent Bridging and Cross Connect mode	
Interface	
• WAN: One Giga optical interface (APC or UPC) • LAN: 1*10/100/1000Mbps/2500Mbps + 4*10/100/1000 auto MDI/MDI-X RJ-45 ports • Voip: 1*RJ-11 port • USB: 1*USB2.0	
LED Indicators	Power, INT, PON/LOS, 2.5G LAN. LAN4-1, 2.4G WLAN, 5G WLAN, WPS, TEL, USB
Wi-Fi Rate	2.4G: 2T2R 2GHz 802.11b/g/n/ac/ax/be, 688Mbps 5G: 2T2R 5GHz 802.11a/n/ac/ax/be, 2882Mbps
Frequency Band	2.4 GHz frequency band 40MHz and 5.8 GHz frequency band 160MHz
Buttons	WPS/WLAN/Reset
Antennas	1*5G 5dBi Internal antennas, 2*2.4G & 5G 5dBi External antennas
Power Supply	DC12V 1.5A
Product Size	215 x 130 x 43 mm (Length x Width x Height)
Work Environment	Working temperature: 0°C~40°C, Working humidity: 5~95%
Security	WPA/WPA2/WPA3, 64/128bit WEP data encryption, Firewall, Dos Protection, SSL connection
WAN Networking	Static IP WAN connection, DHCP client WAN connection, PPPoE WAN connection
VOIP	G.711A/μ, G.729, and G.722 encoding/decoding, T.30/T.38/G.711 fax mode DTMF /Emergency calls (with the SIP protocol)
Management	• Standard OMCI (G.984.4) • Web GUI (HTTP/HTTPS) • Firmware upgrade via FTP/TFTP/HTTP • Telnet, Web, SSH • CLI command via telnet/console • Configuration backup/restore • TR069
Certification	CE