



ONT NTU-RG-5420G-Wac, NTU-RG-5420G-WZ

- 1 GPON port
- 4 LAN Gigabit Ethernet ports
- USB 2.0 for network drive or printer connection
- Dual-band Wi-Fi (802.11a/b/g/n/ac)
- Wi-Fi EasyMesh
- Smart Home controller

NTU series ONTs are high performance subscriber terminals designed to access modern IPTV, OTT and Internet services. NTU-RG series terminals enable providers to offer users a wide range of services and local network features.

Provided Services

- High-speed access to Internet
- Video streaming/High Definition TV/IPTV, video on demand (VoD), video conferences
- Online entertainment and educational programmes
- Smart Home control (NTU-RG-5420G-WZ)

Application

- Providing broadband access services to subscribers in apartment blocks, residential estates, campuses and suburban settlements
- Building corporate networks in large strategic enterprises and in business centers with high requirements to security and data transfer rates

Smart Home Controller

The device includes a Smart Home controller that supports Z-Wave radio communication with sensors and devices.

Advantages of EasyMesh Technology

- Network intelligence: a self-organizing and self-optimizing network collects information and responds to network conditions for maximum performance.
- Efficient load balancing: allows devices to switch to a better connection and avoid interference.
- Scalability: allows adding multi-vendor Wi-Fi EasyMesh access points

Wireless Connection

NTU-RG-5420G-Wac and NTU-RG-5420G-WZ ONTs support the 802.11ac standard that provides data rates up to 866 Mbps and delivers modern high-speed services to subscriber equipment via the wireless network.

Two integrated Wi-Fi controllers ensure simultaneous dual-band operation in 2.4 GHz and 5 GHz.

Wireless Connection

NTU-52W subscriber terminal allows connecting Wi-Fi clients via IEEE 802.11 b/g/n standard.

ONT NTU Interfaces Configuration

	WAN	LAN	Wi-Fi	USB	Smart Home interface
NTU-RG-5420G-Wac	1xGPON	4x1G	802.11n, 2*2 – 300 Mbps – 2.4 GHz 802.11ac, 2*2 – 866 Mbps – 5 GHz	1xUSB 2.0	No
NTU-RG-5420G-WZ	1xGPON	4x1G	802.11n, 2*2 – 300 Mbps – 2.4 GHz 802.11ac, 2*2 – 866 Mbps – 5 GHz	1xUSB 2.0	Yes

Features and Capabilities

PON Interface Parameters

- 1 GPON port
- Compliance with ITU-T G.984.2, ITU-T G.984.5 Filter, FSAN Class B+, SFF-8472
- SC/APC connector type
- Transmission media: SMF 9/125 fiber-optic cable, G.652
- Maximum operating distance: 20 km
- Transmitter: 1310 nm DFB Pulse Mode Output Transmitter
 - Data rate: 1244 Mbps
- Receiver: 1490 nm APD/TIA CW Mode Digital Receiver
 - Data rate: 2488 Mbps

Wireless Interface Parameters

- 802.11a/b/g/n/ac
- Frequency range 2400–2483.5 MHz, 5150–5350 MHz, 5650–5850 MHz
- EasyMesh
- Simultaneous Dual Band
- CCK, BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM modulation

Functional Specifications

- TR-069
- Bridge and router (including virtual ones) operation modes
- PPPoE (auto, PAP, MSCHAP and CHAP authorization)
- IPoE (DHCP-client and static)
- DHCP server on LAN side
- Multicast traffic transmission via Wi-Fi
- DNS (Domain Name System) & DynDNS (Dynamic DNS)
- UPnP (Universal Plug and Play)
- NAT (Network Address Translation)
- NTP (Network Time Protocol)
- Quality of Service (QoS)
- IGMP Snooping & IGMP Proxy
- UPNP, SMB, FTP/FTP-alg, Print Server
- VLAN compliance with IEEE 802.1Q
- Support for VPN in L2TP mode
- L2TP over IPSec

LAN Interface Parameters

- 4 x Ethernet 10/100/1000BASE-T (RJ-45) ports

Security Features

- Rate limiting on ports
- FEC coding

Physical Specifications

- Dimensions (WxHxD): 234x34x133 mm
- Desktop case, wall mounting option
- Power supply via 12 V DC, 1.5 A power adapter
- Maximum power consumption: 18 W