Yeacomm
Make Connection Safer and Easier

Yeacomm Smart 5G ODU

NR610-U

Outdoor IP67, Dual SIM, 5G SA/NSA

Overview

Yeacomm NR610-U is a high speed Sub-6G 5G NR outdoor CPE specifically designed to meet integrated data needs for residential, business and enterprise users. In the service area of the 5G-Sub6/LTE/3G network, it enables wide service coverage and provides high data throughput and networking features to customers who needs easy broadband access.

Features

Ultra-fast 5G speed up to 2.2Gbps
It supports 5G/4G/3G full networks, covers the world's mainstream bands and is compatible with SA and NSA modes.

High gain wide bandwidth antennas
Built-in 4 omni-directional cellular antennas (directional cellular antennas optional) ensure the best signal is received.

IP67 rated
High waterproof and dustproof protection structure is suitable for outdoor use.

Built-in VPN client support
Support PPTP, L2TP, IPSEC. (Wireguard and Zerotier optional)
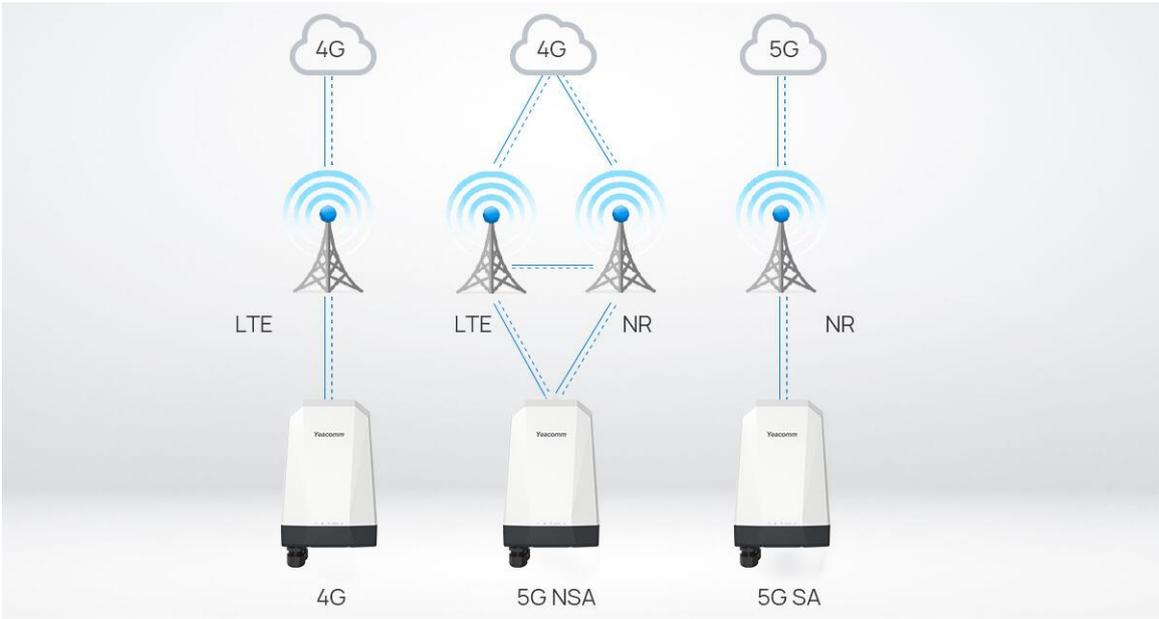
Friendly User Interface
Friendly UI design includes NAT, Bridge, Router mode, WEB, TR069 and SNMP-based device management.

Plug and Play
The device could automatically fix network problems in real-time without manually restarting or reconfiguring the network,
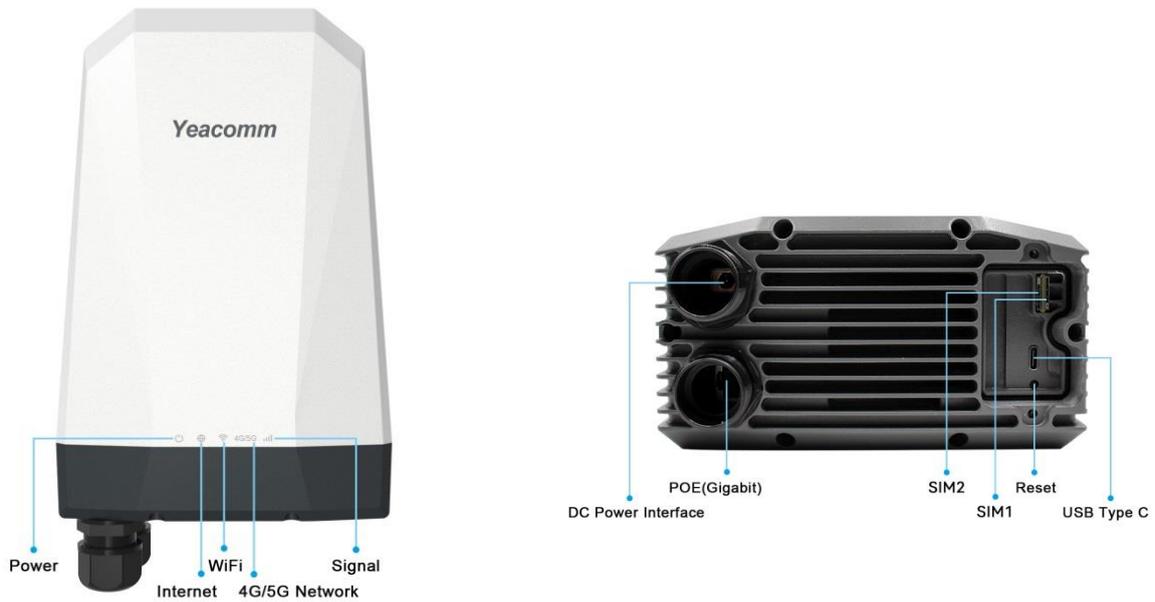
Network Modes

| 4G | 5G NSA | 5G SA |

Installation

Wall Mounting

Pole Mounting

Application Scenarios

Home

Travel

Live Streaming

Shopping Mall

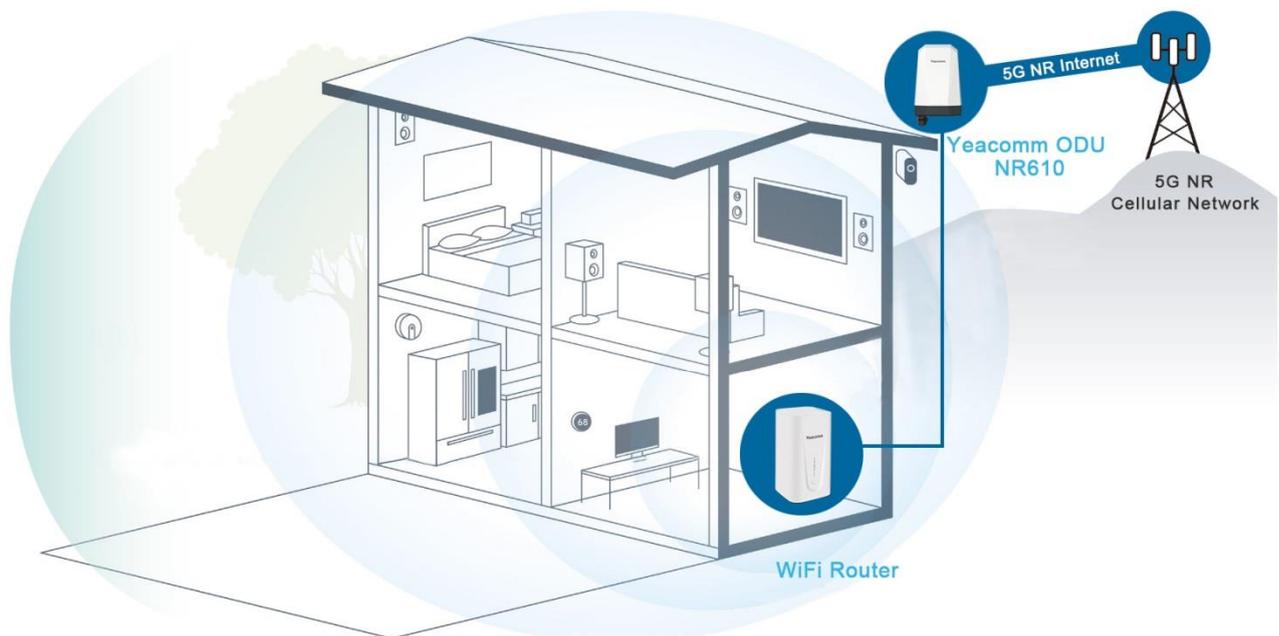# Specification

Cellular Parameters		
Frequency Band	**Standard Version:** 5G NR: N1/N28/N41/N77/N78/N79 LTE-FDD: B1/B2/B3/B5/B7/B8/B20/B28 LTE-TDD: B34/B38/B39/B40/B41 WCDMA:B1/B2/B5/B8	**Optional Version :** 5G NR: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N66/N71/N77/N78 LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B66/B71 LTE-TDD: B38/B40/B41 WCDMA:B1/B3/B5/B8
MIMO	5G NR: DL 4×4 MIMO,UL 2×2 MIMO LTE: DL 4×4 MIMO	
Theoretical Bandwidth	5G NR: Downlink 2.2Gbps, uplink 575Mbps LTE Cat12: Downlink 600Mbps, uplink 150Mbps	

WIFI Parameters	
WIFI	IEEE802.11 a/b/g/n 2.4GHz (only for easy device configuration)

Hardware	
CPU	MTK7621 CPU@880MHz,Dual-core
5G Chipset	Unisoc UDX710
Flash	128MB
DDR3	512MB

Software	
Network Status	Signal strength Network type(5G/4G) SIM card status Wi-Fi Status LAN Status
System Status	Mobile parameters, APN/DHCP/Wi-Fi information, Memory details, Version/Device information
Internet Settings	Network mode setup, Data switch, Roaming setup
APN Setup	APN name, Nat Switch on APN bear, PDP(IPV4/IPV6/IPV4V6), MTU size
SIM Card	PIN Management SIM card Authentication
DHCP Setup	Enable/disable DHCP server Configure DHCP IP Pool Configure DHCP Lease Time
Static Route	Route Setup on WAN/LAN interface
DDNS	Support
Band Lock	Support
PCI Lock	Support
Cell Lock	Support
Carrier SIM Lock	Support
VPN	PPTP, L2TP, IPSEC, Wireguard(optional), Zerotier(optional)
Backup/restore	Encryption backup current settings and restore the backup settings (Export/Import Configuration)
Work Mode	NAT/ Router mode

Device Management	
Software Update	WebUI update TR069 update
TR069 (Optional)	HTTP/HTTPS Supports upload / download the ACS specified file Support download CPE configuration file Support configure & queries parameters Support remote upgrade Support cycle monitor
SNMP (Optional)	Support
Diagnostics	Ping/Trace/Tcpdump, Export current diagnosis results and operation logs

Power Supply	
PoE Input	48V/0.3A (IEEE 802.3af)
DC Input	12V/1.5A

Interfaces	
PoE/LAN Port	1 x Gigabit RJ45 LAN Port with PoE
DC Power Interface	1 x Three-core DC locomotive power socket, built-in power reverse protection
Indicator	Power, Internet, WIFI, 4G/5G, Signal
SIM/UIM Card	2 x Nano-SIM Card slots, Compatible with eSIM card
USB Port	Type C 2.0
Reset Button	Reset the parameters to default setting

Physical Characteristics	
Outer Shell	ABS+PC Material Cover with Metal Base
Waterproof Level	IP67
Installation	Pole Mounting or Wall Mounting
Dimensions	241x156x89 mm
Weight	≤1.1kg
Operating Temperature	-30~+60ºC
Storage Temperature	-40~+85ºC
Humidity	5%-95% (No-condensing)

Indicators&Interfaces

Yeacomm

Power
Internet
WiFi
4G/5G Network
Signal

DC Power Interface
POE(Gigabit)
SIM2
SIM1
Reset
USB Type C

Enjoy High Speed Internet Wherever You Want

5G NR Internet

Yeacomm ODU
NR610

5G NR
Cellular Network

WiFi Router

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