

Yeacomm Smart 5G Outdoor CPE

NR610+W330 SET

Outdoor IP67, Dual SIM, 5G SA/NSA, WIFI6



NR610 ODU



W330 IDU

Overview

Yeacomm NR610+W330 set is a high performance 5G wireless communication product 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 through WiFi 6 and wired who needs easy broadband access.

Features



Ultra-fast 5G speed up to 4.67Gbps

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 6 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.



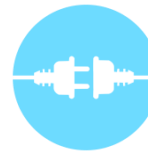
Built-in VPN client support

Support PPTP, L2TP, IPSEC Wireguard, and Zerotier.



Super-fast WiFi up to 1.8Gbps

It supports WiFi6 and the WiFi speed is up to 1.8Gbps (1200Mbps on 5Ghz and 573Mbps on 2.4Ghz).



Plug and Play

The device could automatically fix network problems in real-time without manually restarting or reconfiguring the network, makes it easier to access the Internet.

Specification

NR610 ODU		
Cellular Parameters		
Frequency Band	Standard Version: 5G NR: N1/N3/N5/N7/N8/N20/N28(a&b)/N38/N40/N41/N77/N78/N79 LTE FDD: B1/B3/B5/B7/B8/B19/B20/28(a&b)/B32 LTE TDD: B38/B40/B41/B42/B43/B46 WCDMA: B1/B5/B8	Optional Version : 5G NR: N2/N5/N7/N12/N14/N25/N30/N41/N48/N66/N71/N77/N78 LTE FDD: B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B66/B71 LTE TDD: B41/B46/B48 WCDMA: B2/B4/B5
MIMO	5G NR: DL 4x4 MIMO, UL 2x2 MIMO LTE: DL 4x4 MIMO	
Theoretical Bandwidth	5G NR: Downlink 4.67Gbps, uplink 1.25Gbps LTE-A: Downlink 1.6Gbps, uplink 211Mbps WCDMA/HSPA+: Downlink 42Mbps, uplink 11Mbps	
WIFI Parameters		
WIFI	ODU: IEEE802.11 a/b/g/n 2.4GHz (only for easy device configuration) IDU: IEEE802.11 a/b/g/n/ac/ax (WIFI 6)	
Hardware		
CPU	2.0GHz Quad-Core CPU	
Flash	1GB	32GB
LPDDR4	1GB	2GB
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, Zerotier	
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 2.5 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~+60°C
Storage Temperature	-40~+85°C
Humidity	5%-95% (No-condensing)

W330 IDU

WiFi Parameters

WiFi Protocol	IEEE802.11 a/b/g/n/ac/ax (WiFi 6)
WiFi Frequency Band	2.4GHz+5GHz
Theoretical Bandwidth	5GHz 4x4MIMO 11ax, 1.2Gbps 2.4GHz 4x4MIMO 11ax, 0.573Gbps
Channel Bandwidth	20MHz, 40MHz, 80MHz

Hardware

CPU	MTK7621 CPU@880MHz,Dual-core
Flash	128MB
DDR3	512MB

Power Supply

Standard Power Supply	DC 48V/1A
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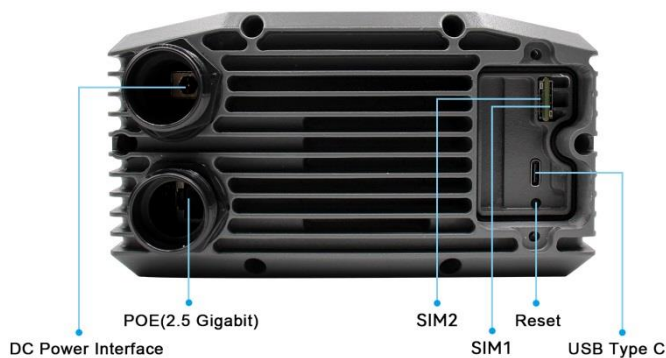
Interfaces

LAN/WAN Port	1 x 1Gigabit Ethernet (RJ45) with PoE
LAN Port	1 x 1Gigabit Ethernet (RJ45)
Indicator	Signal, 5G, 4G, WiFi, Power
Power Interface	Three-core DC locomotive power socket, built-in power reverse protection
USB Port	Type C 2.0
Reset Button	Through this button, the parameter configuration can be restored to the factory value

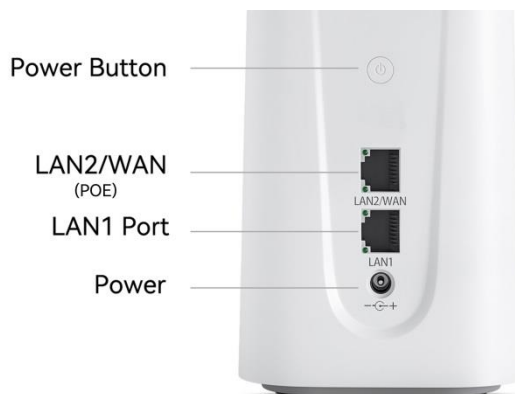
Physical Characteristics

Outer Shell	ABS Material, protection level IP30
Dimensions	178x98x98 mm
Weight	650g
Operating Temperature	-10~+50°C
Storage Temperature	-40~+85°C
Humidity	95% (No-condensing)

Interfaces

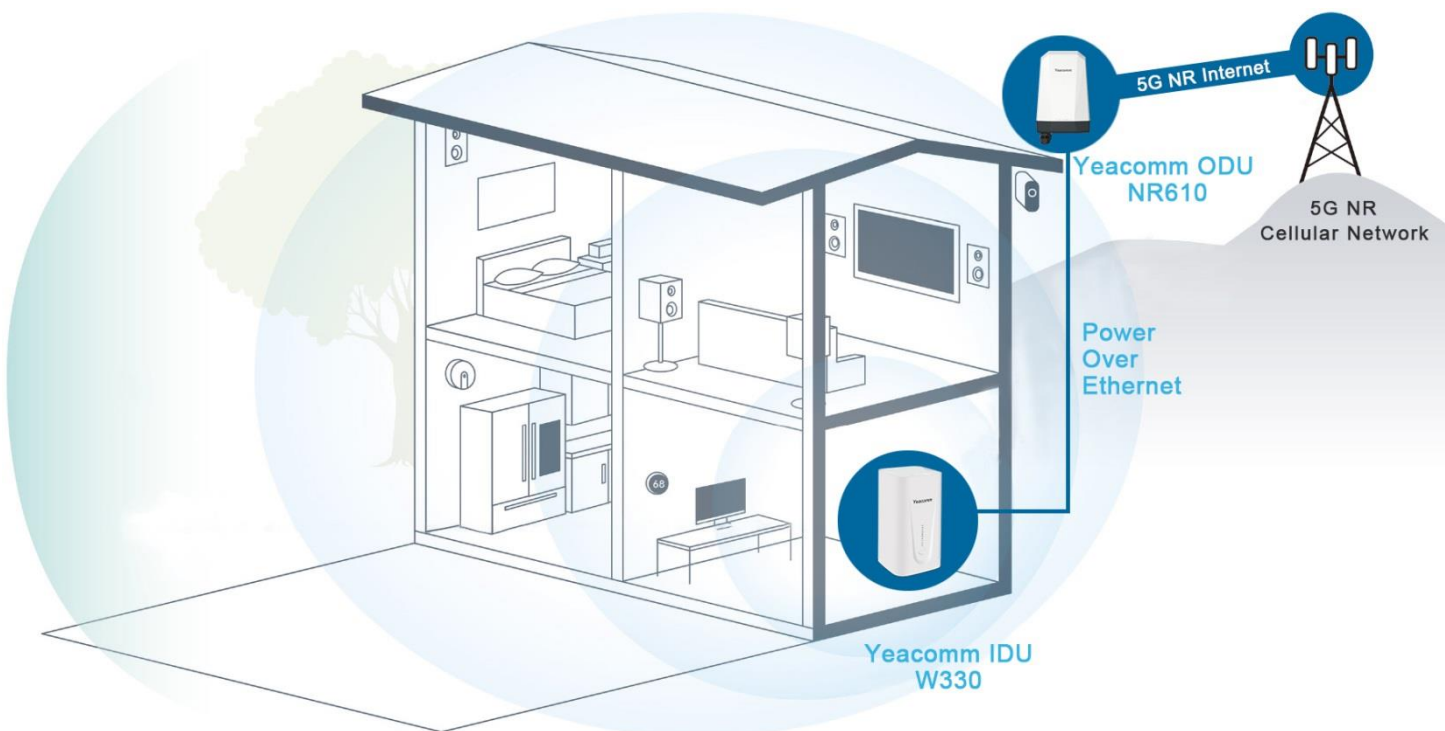


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Topology



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