



# 5G NR

## 5G Wi-Fi6 Wireless CPE

NR3000X is an excellent 5G NR indoor Wi-Fi & SIP CPE designed to enable quick and easy NR fixed data service deployment for home and office.

NR3000X



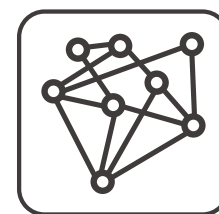
5G to Wi-Fi



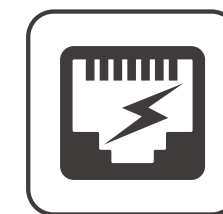
5G SA+NSA



Wi-Fi 6



OFDMA



Full Gigabit  
Ports



Flexibility  
Internet Access

# Overview

NR3000X is an excellent 5G NR indoor Wi-Fi & SIP CPE designed to enable quick and easy NR fixed data service deployment for home and office.

It can be compatible with the 4G LTE band.

With powerful dual-mode chip, it provides high speed LAN and Wi-Fi integrated services to end users who need both bandwidth and multi-media data service in enterprise or at home. The internal high gain multi-polarized antenna enables a longer reception range from the base station.

With excellent and elegant design, NR3000X is a piece of art at your home, which could be the best choice for you to experience high-speed network.

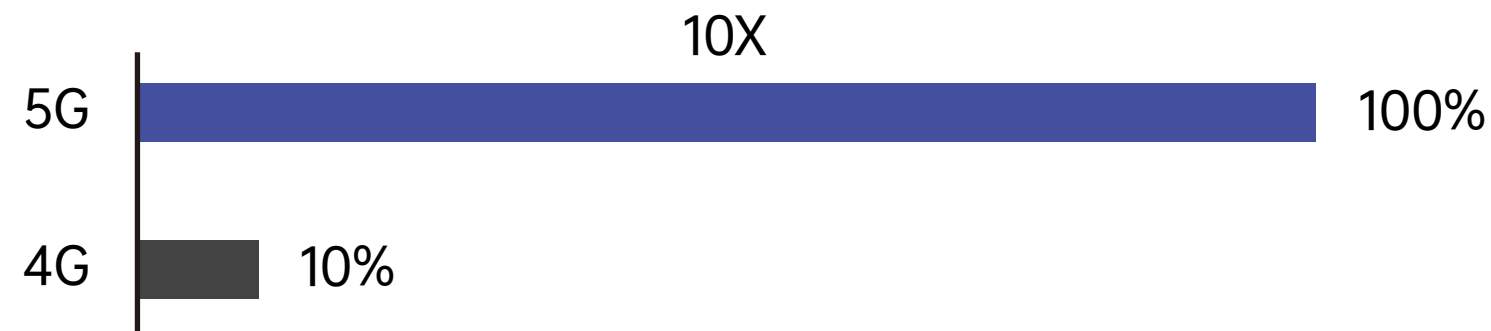


# Features

- Complies with the next generation 3GPP Release 15 NSA/SA operation 5G NR technology and the next generation Wi-Fi 6 (IEEE 802.11ax) standard.
- 5G NR 5G NR transmission rate is 10X faster than the 4G CAT4 rate.
- Simultaneous 2404Mbps on 5GHz and 574Mbps on 2.4GHz for a total of 3000Mbps.
- Portable 5G/4G Wi-Fi Hotspot brings great convenience to users.
- Plug an Ethernet cable into the LAN/WAN port for flexible access as a backup option if you can't get a 4G connection.
- MU-MIMO technology allows data transmission to multiple devices at the same time.
- Three gigabit ports ensure high speed wired and wireless connection.
- Intuitive Web UI and APP ensures quick and simple installation.
- Support Max.64 devices simultaneously.



# Highlights



5GHz  
2402Mbps



2.4GHz  
574Mbps

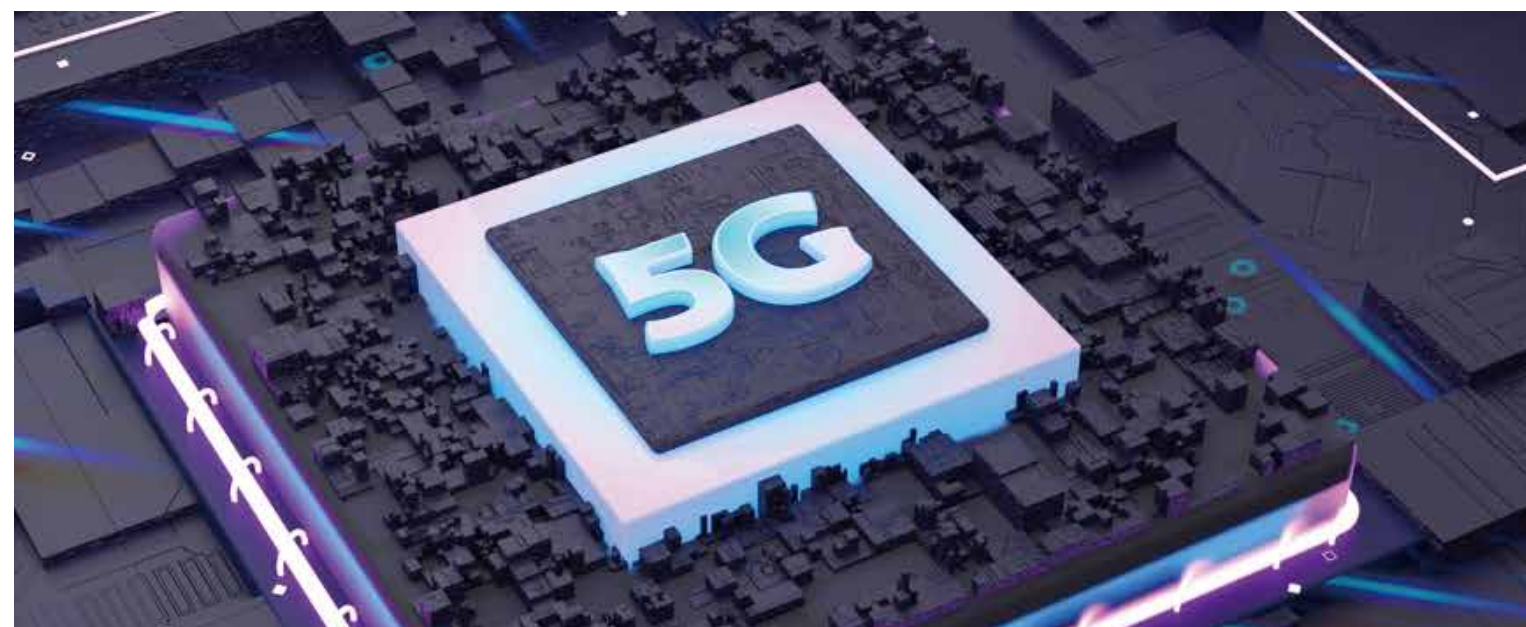


## 5G to Wi-Fi

The 5G speed is ten times that of the traditional 4G, and the 5G SIM card is plug and play, which will take you to enjoy the extremely fast network world. It is also compatible with 5G/4G networks and can be switched at any time.

## 3000Mbps Ultra-Fast Wi-Fi Speed

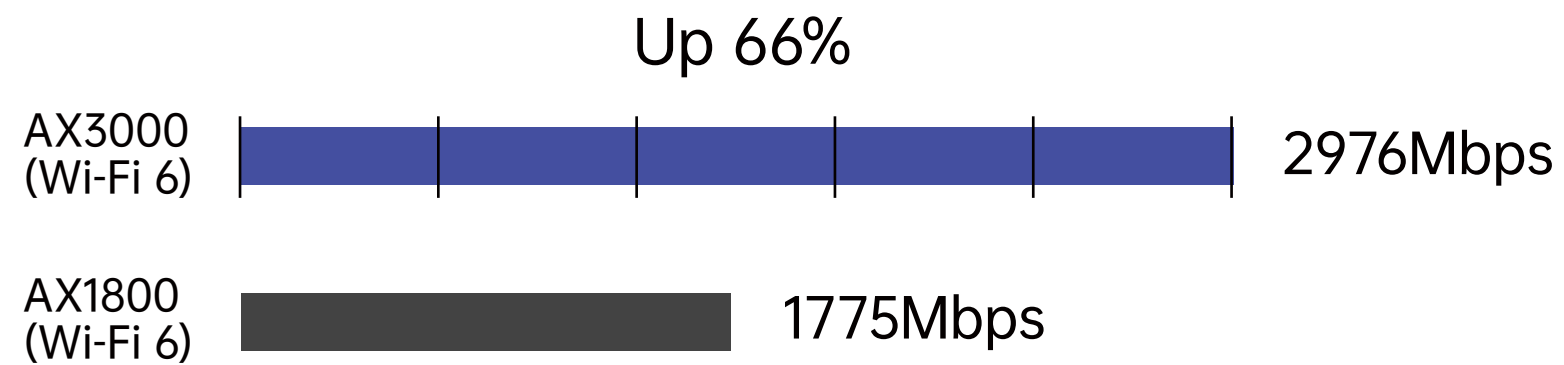
Featuring a 160 MHz bandwidth and 1024-QAM, NR3000X delivers true Gigabit speeds of up to 3000Mbps. It delivers Wi-Fi speeds of up to 2402Mbps on the 5GHz band and 574Mbps on the 2.4GHz band. Every application feels more fluid with drastically improved Wi-Fi speeds. Both 2.4 GHz band and 5 GHz band get upgraded to the latest generation—perfect for 4K streaming, online gaming, and fast downloading.



## 5G NR Technology

NR3000X complies with the next generation 3GPP Release 15 NSA/SA operation 5G NR technology, supporting Sub-6G wave data transmission. It could be backward compatible with the 4G LTE band. With powerful dual-mode chip, NR3000X brings a high-speed and stable 5G experience.

# Highlights



## The Latest Wi-Fi6 , Fast Wi-Fi Speed

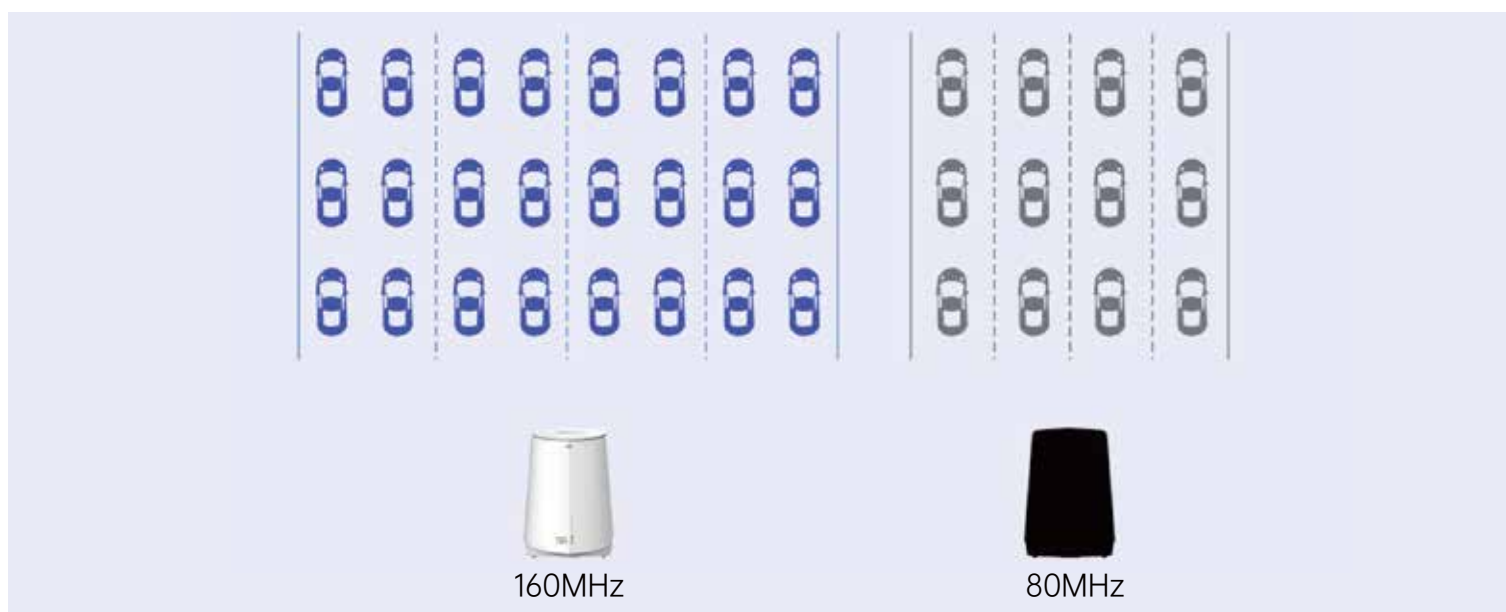
Wi-Fi 6 (IEEE802.11ax) delivers a huge boost in speed and total capacity and takes your Wi-Fi to the next level while being backwards compatible with IEEE802.11a/b/g/n/ac Wi-Fi standards. NR3000X equips with the latest wireless technology 5G NR and Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion.

## Portable Wi-Fi Hotspot

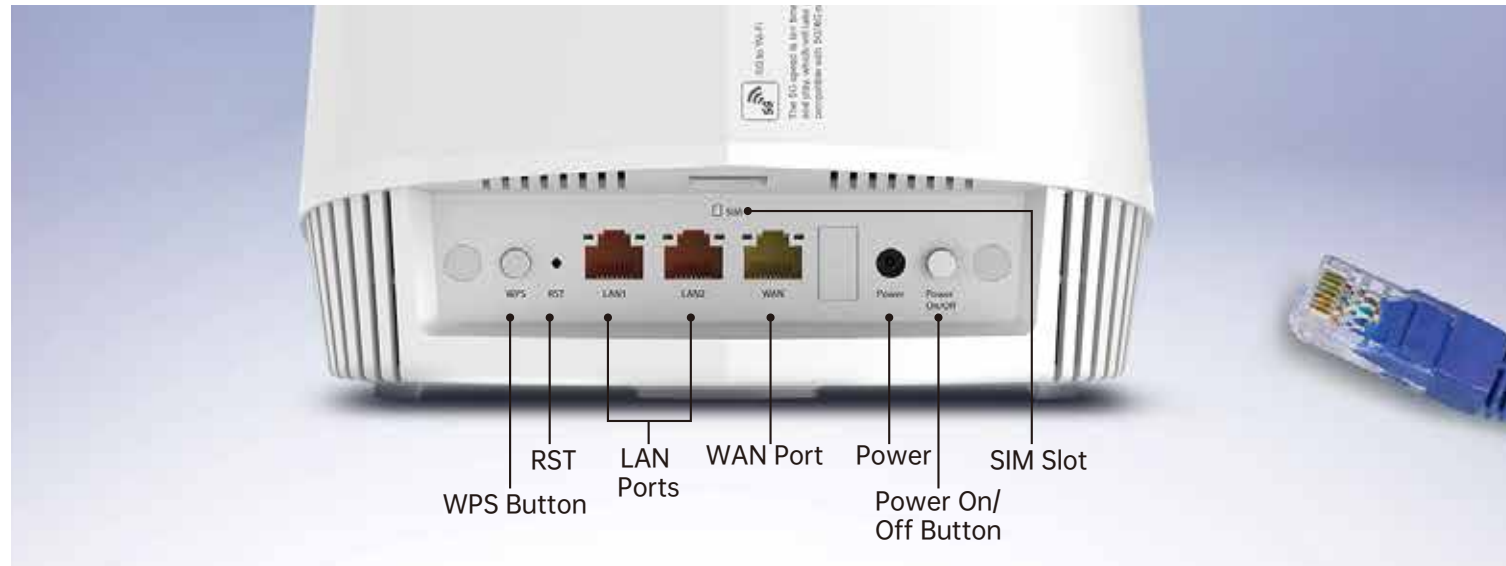
Simply plug in a standard SIM card and connect it to power, this elegant portable piece will deliver fast and stable Wi-Fi signal to anywhere you stay or work.

## 160MHz high bandwidth

Compared with the 80MHz frequencyband, the bandwidth is doubled and the speed is doubled, which meets the high-speed connection requirements of multi-device line devices.



# Highlights



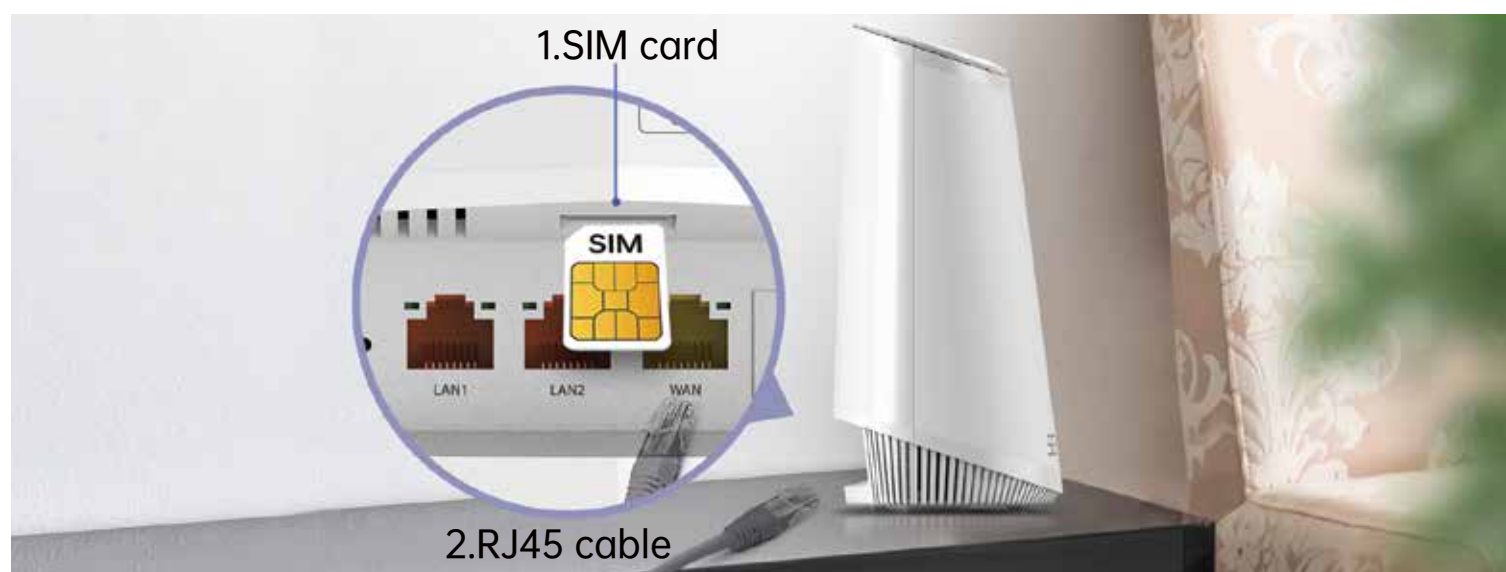
## Full Giga Ethernet Ports

With three gigabit ports, you are able to enjoy high speed Internet by wired connection or Wi-Fi connection, making the best of bandwidth, ideal for homes having both wireless and wired connection needs.



## Loop antennas layout, signal always online

With six high-performance internal antennas and MU-MIMO technology, both Wi-Fi range and 5G NR signal stability improve dramatically. It will deliver improved Wi-Fi range and 5G NR signal stability throughout your home. You'll connect to your devices faster and no more dead zones.



## Flexibility 5G / 4G / wired Network

While supporting 5G/4G network connection, NR3000X adds WAN network connection design to fully meet different connection types, including cables.

# Specifications

Hardware	
Interface	- 2*1000Mbps LAN Ports - 1*1000Mbps WAN Port - 1* Standard SIM card slot - 1*DC/IN
Power Supply	- 12V DC/2A
Antenna	- 4 * internal 5G NR antennas - 2 * internal Dual-Band Wi-Fi antennas
Button	- 1*Reset button, 1*WPS button, 1*Power button
LED Indicators	- 1*SYS(Red/Blue)    - 1*WAN(RJ45 build-in) - 1*LAN(RJ45 build-in)
Dimensions (L x W x H)	- 120 x 180 x 256mm
Wireless	
Standards	- IEEE 802.11ac, IEEE 802.11n, - IEEE 802.11g, IEEE 802.11b, IEEE 802.11a
RF Frequency	- 2.4GHz/5GHz
Data Rate	- 2.4GHz: Up to 574Mbps - 5GHz: Up to 2402Mbps
EIRP	- 2.4GHz < 20dBm - 5GHz < 20dBm

Wireless	
Wireless Security	- 64/128-bit WEP, WPA, WPA2 and WPA-Mixed - WPA3
Reception Sensitivity	- 2.4G: 11b 11M: -85 dBm@8% PER 11g 54M: -72 dBm@10% PER 11n HT20 MCS7: -68dBm@10% PER HT40 MCS7: -65dBm@10% PER - 5G: 11a 54M: -72dBm@10% PER 11n HT20 MCS7: -68dBm@10% PER HT40 MCS7: -65dBm@10% PER 11ac VHT80 MCS9: -55dBm@10% PER

5G NR	
5G NR chip	- Makalu Ivy510
NR&LTE Network Type and Band	- 5G NR: N1,N20,N28,N41,N77,N78,N79 - LTE FDD: B1,B3,B5,B8 - LTE TDD: B34,B38,B39,B40,B41 - WCDMA: B1,B8

# Specifications

Software	
Home	- Quick Setup      - Basic setup      - Advanced setup - Logout              - Reboot
Network	- WAN Setting      - LAN Setting      - IP/MAC Binding - DDNS Setting      - IPTV Setting      - IPv6
WAN Type	- Static IP, DHCP, PPPoE, 5G/4G
Wireless	- Basic setup              - Parental Control
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Security	- MAC Filtering      - IP/Port Filtering      - URL Filtering
NAT	- Virtual Server(Port Forwarding)      - DMZ - VPN passthrough
Tools	- Upgrade Firmware      - Time Setup      - Reboot Schedule - Remote management      - Password Settings - System Log and so on

Others	
Package Contents	- 5G Wi-Fi6 Wireless CPE - Quick Installation Guide - Power Adapter - Ethernet Cable - Micro/Nano to Standard SIM Card Adapter
Environment	- Operating Temperature: 0°C~40°C (32°F ~104°F) - Storage Temperature: -40°C~70 °C (-40 °F~158°F) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~90% non-condensing

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