

## Datasheet

# 5G NR Outdoor Router

WI-NR3100



## Features

### Blazing 5G NR Network

Supporting NSA and SA networking modes, WI-NR3100 provides Downlink speed of up to 4.67Gbps, which makes it ideal for high-bandwidth application such as 4K/8K streaming, online gaming, video conference, large file downloads and more. Besides, WI-NR3100 is backward compatible with 4G mode.

### 2.5Gbps Ethernet Port

With 2.5Gbps Ethernet Port, WI-NR3100 provides high-bandwidth network access for the other device, improving network throughput and performance.

### 802.3af PoE Input

Support 802.3af PoE Input, which enables flexible deployment and reduces the cost of installation and maintenance.

### IP65-rated Ingress Protection

With IP65 weatherproof enclosure, WI-NR3100 can protect against dust and water, which Ensures Reliable and Stable Operation even in the Harsh Environment.

### Easy Remote Management

With TR069 remote management, WI-NR3100 reduces on-site support needs by performing remote operation, which improves management efficiency and lowers maintenance costs.



## Specifications

Model	WI-NR3100
Hardware Features	
Hardware Version	V1.0
Chipset	T750
CPU frequency	Quad Core 2GHz
Memory	1GB
Flash	1GB
Interface	1 x RJ45 10M/100M/1000M/2500M Ethernet Port 1 x Reset button 1 x 1.8V SIM card slot (2FF) 3 x LED indicator PWR、LAN、5G (Signal Strength LEDs x 3)
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz
Power Supply	802.3af
Power Consumption	<10W
Dimensions(H x W x D)	330 X 250 X 85mm
Weight	<2.5Kg
Enclosure	IP65
Power protection	±6kV
Mode	eSIM or physical SIM
5G/LTE Features	
Chip	MediaTek T750
Standards	Release 15, Cat.19 5G NR
5G/LTE Frequency	5G NR SA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78 5G NR NSA: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78 LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32 LTE TDD: B38/B40/B41/B42/B43 WCDMA: B1/B5/B8
5G/LTE Data Rates	5G SA Sub-6: 4.67Gbps (DL)/ 2.5Gbps (UL) 5G NSA Sub-6: 3.74Gbps (DL)/ 1.46Gbps (UL) LTE: 1.6 Gbps (DL)/ 211 Mbps (UL)

Model	WI-NR3100
MIMO	DL: 4 × 4 UL: 2 × 2(only support 5G SA)
Antenna	3~7dBi Internal directional antenna
Software Features	
Network Features	<p>DHCP IP address Assignment</p> <p>Router Operation Support</p> <p>Built-in DHCP Server for LAN Devices</p> <p>IPv4, IPv6 DS-Lite Support</p> <p>NTP Service Support</p> <p>SIM card locking feature</p> <p>Network selection and cell locking provision</p> <p>Port Forwarding</p> <p>L2TP/PPTP VPN pass through Wireguard VPN</p> <p>DDNS</p> <p>Firewall</p> <p>Qos</p> <p>Diagnostics(Ping Traceroute speedtest)</p> <p>Route(Default route, Static route, Route Status, Failover)</p> <p>Multiple APNs</p> <p>Router and bridge mode change</p>
Management	<p>HTTPS Management Interfaces</p> <p>Standard Based TR-069 Management</p> <p>HTTP OTA Firmware Upgrade</p> <p>USIM and Network PLMN Locking Support</p> <p>Device Factory Default Setting</p> <p>Remote Management</p> <p>System log</p> <p>Configuration Backup/Restore</p> <p>Device Information</p>
Environment Requirement	
Operating Temperature	-30°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	10% ~ 95% non-condensing
EMC/Safety	
Regulation Compliance	CE FCC



Wireless-Tek Technology Limited

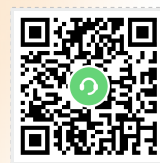
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Technical Support



Cloud Management



Company Website