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 efficicency 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
5G/LTE Features	
Chip	MediaTek T750
Standards	Release 16, 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	DHCP IP address Assignment Router Operation Support Built-in DHCP Server for LAN Devices IPv4, IPv6 DS-Lite Support NTP Service Support SIM card locking feature Network selection and cell locking provision Port Forwarding L2TP/PPTP VPN pass through Wireguard VPN DDNS Firewall Qos Diagnostics(Ping Traceroute speedtest) Route(Default route, Static route, Route Status, Failover) Multiple APNs Router and bridge mode change
Management	HTTPS Management Interfaces Standard Based TR-069 Management HTTP OTA Firmware Upgrade USIM and Network PLMN Locking Support Device Factory Default Setting Remote Management System log Configuration Backup/Restore Device Information
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