

## Datasheet

# 5G NR AX3000 Wi-Fi 6 Router

WI-NR3230

Hardware Version: V2



## Features

### Blazing 5G NR Network

Supporting NSA and SA networking modes, WI-NR3230 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-NR3230 is backward compatible with 4G mode.

### Ultra-fast Wi-Fi 6 AX3000

Compliant with 802.11ax standard, WI-NR3230 is designed to deliver a huge boost in coverage, speed up to 3000Mbps, and total capacity.

### 2.5G Ethernet Port for High-bandwidth Application

With 2.5G Ethernet port, WI-NR3230 provides lightening speed and reliable connections for high-intensive wired devices such as your smart TV, NAS and more.

### Enjoy Phone Calls More Easily

Simply enjoy high-quality voice calls through connecting the telephone set to the RJ11 Port of the device.

### Plug and Play

Simply insert Micro SIM Card, you can enjoy 5G Network sharing anywhere and anytime.

### Easy Remote Management

With TR069 remote management, WI-NR3230 reduces on-site support needs by performing remote operation, which improves management efficiency and lowers maintenance costs.

**\*Note: The applicable regions include Europe, Africa, the Middle East, Asia (except China and Japan), and Australia.**



# Specifications

Model	WI-NR3230
Hardware Features	
Hardware Version	V2.0
Chipset	T750+MT7916AN/+MT7976DA +2*RTL8221B+Le9643
CPU frequency	Quad Core 2GHz
Memory	1GB DDR4
Flash	1GB NAND
Interface	1 x RJ45 10M/100M/1000M/2500M LAN Ethernet Port 1 x RJ45 10M/100M/1000M/2500M WAN Ethernet Port 1 x Reset button 1 x WPS button 1 x Power jack 1 x RJ11 Phone jack
Power Supply	12V/1.5A
Mode	eSIM or physical SIM
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Frequency	2.4G: 2.4~2.4835GHz 5G: 5.150~5.825GHZ
Data Rate	2.4GHz: up to 574Mbps 5GHz: up to 2402Mbps
MIMO	2.4GHz: 2x2 MIMO 5GHz:2x2 MIMO
Antenna	2.4GHz: 3dBi (Built-in omnidirectional antenna) 5GHz: 3dBi (Built-in omnidirectional antenna)
Modulation schemes	OFDM = BPSK,QPSK, 16-QAM, 64-QAM 256-QAM 1024-QAM DSSS = DBPSK, DQPSK, CCK
Transfer Rate	2.4GHz: HE40: up to 574Mbps 5GHz: HE40: up to 574Mbps HE80: up to 1201Mbps HE160: up to 2402Mbps

Model	
WI-NR3230	
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/n71/n75/n76/n77/n78 5G NR NSA: n1/n3/n7/n8/n20/n28/n38/n40/n41/n71/ n75/n76/n77/n78 LTE FDD: B1/B3/B5/B7/B8/B20/B28/B32/B71 LTE TDD: B38/B40/B41/B42/B43/B46(LAA) WCDMA: B1/5/8
5G/LTE Data Rates	5G SA Sub-6: 4.67Gbps (DL), 1.25Gbps (UL) 5G NSA Sub-6: 4.47Gbps (DL), 730Mbps (UL) LTE: 1.6Gbps (DL), 211Mbps (UL)
MIMO	DL: 4 × 4, UL: 2 × 2(only support 5G SA)
Output Power	23dBm±2dBm
Antenna	6*2~6dBi Internal directional antenna
Software Features	
General Protocols	<p><b>Wireless Protocols:</b></p> IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11ax IEEE 802.11h(dfs) IEEE 802.11e(wmm) IEEE 802.11k/v/r
	<p><b>Mobile main Protocols:</b></p> 3GPP Release 15

Model	WI-NR3230
General Protocols	<p><b>Network main Protocols</b></p> <p>RFC0768 UDP</p> <p>RFC0791 IP</p> <p>RFC0792 ICMP</p> <p>RFC0793 TCP</p> <p>RFC0826 Ethernet ARP</p> <p>RFC0894 IP over Ethernet</p> <p>RFC0922 Broadcasting Internet Datagrams</p> <p>RFC0950 Internet Standard Subnetting</p> <p>IEEE802.3 Ethertype</p> <p>IEEE802.1p</p> <p>RFC2516 PPP Over Ethernet (PPPoE)</p> <p>RFC1662 PPP in HDLC-like Framing</p> <p>RFC1332 PPP Internet Protocol Control Protocol</p> <p>RFC1042 Transmission of IP Datagrams over IEEE 802 Networks</p> <p>IPoE (a.k.a IP over Ethernet over AAL5)</p>
Wireless Features:	<p>Embedded AP with 8 SSIDs on each Radio</p> <p>Separate authentication for each SSID</p> <p>Wmf</p> <p>AutoChannel</p>
Mobile Features	<p>5G SA &amp;&amp; 5G NSA</p> <p>VOLTE</p> <p>APN &amp;&amp; Dial Settings</p> <p>NAT support</p> <p>Bridge Mode</p> <p>Pin Management</p> <p>Message Management</p> <p>sim lock/band lock/cell lock support</p> <p>AT Command Web interface provided</p>
Network Features	<p>IPv4/IPv6 dual stack</p> <p>6RD</p> <p>IPoE Bridge Mode</p> <p>IPoE DHCP/Static</p> <p>PPPoE Dynamic/Static</p> <p>IPv6 Stateless/Stateful</p> <p>PPTP/L2TP/GRE/OpenVPN/WireGuard</p> <p>IGMP proxy and MLD for IPTV</p> <p>DNS Proxy</p> <p>DHCP server</p> <p>NAT,NAPT and ALG</p>

Model	WI-NR3230
Other Features	<p>QOS Flow Control</p> <p>Samba/DLNA/FTP</p> <p>NAT,NAPT and ALG</p> <p>DMZ and Port forwarding(Virtual server)</p> <p>SPI Firewall, Denial of Service (DoS) protection</p> <p>Port filtering, IP filtering and MAC filtering</p> <p>URL filter</p> <p>DDNS</p> <p>Static route</p> <p>SNTP Date/time update from Internet Time Server</p> <p>Diagnostics(Ping/TraceRoute)</p> <p>Logs and statistics</p> <p>Automatic timing restart</p> <p>EasyMesh 4.0</p>
Management	<p>WEB GUI</p> <p>Command line tools(telnet/ssh)</p> <p>TR-069 remote mangagment</p> <p>TR181/TR104/TR140/TR143/TR157(periodicstatistics)</p> <p>UPNP</p>
Environment Requirement	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	5%~95% non-condensing
EMC/Safety	
Regulation Compliance	CE
Safety Regulations	UL
Green Standard	RoHS



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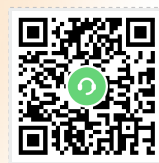
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Technical Support



Cloud Management



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