

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), 730Gbps (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>Wireless Protocols:</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>Mobile main Protocols:</p> 3GPP Release 15

Model	WI-NR3230
General Protocols	<p>Network main Protocols</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 && 5G NSA</p> <p>VOLTE</p> <p>APN && 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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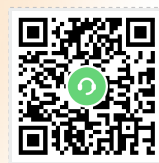
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Technical Support



Cloud Management



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