

Datasheet

5G NR AX3000 Wi-Fi 6 Router

WI-NR5430



Features

Blazing 5G NR Network

Supporting NSA and SA networking modes, WI-NR5430 provides Downlink speed of up to 3.47Gbps, which makes it ideal for high-bandwidth application such as 4K/8K streaming, online gaming, video conference, large file downloads and more. Besides, WI-NR5430 is backward compatible with 4G mode.

Ultra-fast Wi-Fi 6 AX3000

Compliant with 802.11ax standard, WI-NR5430 is designed to deliver a huge boost in coverage, speed up to 3000Mbps, and total capacity.

Gigabit Ethernet Port for High-bandwidth Application

With Gigabit Ethernet port, WI-NR5430 provides lightning speed and reliable connections for high-intensive wired devices such as your smart TV, NAS and more.

Plug and Play

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

EasyMesh Technology

(Note: Easymesh devices can be networked only with devices that support Easymesh standard)

With EasyMesh technology, WI-NR5430 can realize quick connections with multiple access points to enlarge network coverage. Besides, it also realizes network self-healing if one of the nodes fails.

Easy Remote Management

With TR069 remote management, WI-NR5430 reduces on-site support needs by performing remote operation, which improves management efficiency and lowers maintenance costs.

***Note: The applicable regions include North America and Latin America.**



Specifications

Model	WI-NR5430
Hardware Features	
Hardware Version	V1.0
Chipset	BCM6756+SDX62
CPU frequency	Quad core 1.7GHz
Memory	256MB 16-bit DDR3L
Flash	128MB NAND
WIFI	2T2R 2.4GHz 802.11b/g/n/ac/ax, 574Mbps 2T2R 5.8GHz 802.11a/n/ac/ax, 2402Mbps
Device Interfaces	4x RJ45 10M/100M/1000M LAN Ethernet
	1 x RJ45 10M/100M/1000M WAN Ethernet interface
	1 x reset button
	1 x WPS button
	1 x Power jack
WIFI Antenna	2.4GHz: 3dBi
	5GHz: 3dBi
5G/LTE Antenna	4 x 2~7dBi internal antenna
Wireless Features	
Standards	802.11a/b/g/n/ac/ax
	2.4G: 2.4~2.4835GHz
	5G: 5.150~5.825GHZ
Modulation schemes	Korea、Japan、 ETSI、 FCC channels can be selected
	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-NR5430
5G /LTE Features	
5G/ LTE Standards	Release 16, Cat.19 5G NR
5G/ LTE Frequency Support	5G NR SA: n2/5/12/14/25/30/41/48/66/70/71/77 5G NR NSA: n2/5/12/25/30/41/66/71/77 LTE FDD: B2/4/5/12/13/29/30/66/71 LTE TDD: B41/48/46(LAA)
5G/LTE Throughput	5G SA Sub-6 : 2.47Gbps(DL), 900Mbps(UL) 5G NSA Sub-6: 3.47Gbps(DL), 555Mbps(UL) LTE: 1.6Gbps(DL), 211Mbps(UL)
MIMO	DL 4 × 4 MIMO NR (Support Band n2/5/7/12/14/25/30/41/48/66/70/71/77/78) UL 2 × 2 MIMO (n41/77/78) DL 4 × 4 MIMO (Support Band B2/4/5/7/12/13/30/41/48/66/71)
Output Power	23dBm±2dBm
Software Features	
General	<p>Wireless main Protocols:</p> <ul style="list-style-type: none"> 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>Wireless spec Features:</p> <ul style="list-style-type: none"> Embedded AP with 8 SSIDs on each Radio Separate authentication for each SSID Wmf AutoChannel BSD EasyMesh WPA3/SAE Security

Model	WI-NR5430
General	<p>Mobile main Protocols:</p> <ul style="list-style-type: none"> 3GPP Release 16 Mobile spec Features: 5G SA && 5G NSA APN && Dial Settings NAT support Bridge Mode Pin Management Message Management sim lock/band lock/cell lock support AT Command Web interface provided <p>Network main Protocols:</p> <ul style="list-style-type: none"> RFC0768 UDP RFC0791 IP RFC0792 ICMP RFC0793 TCP RFC0826 Ethernet ARP RFC0894 IP over Ethernet RFC0922 Broadcasting Internet Datagrams RFC0950 Internet Standard Subnetting IEEE802.3 Ethertype IEEE802.1p RFC2516 PPP Over Ethernet (PPPoE) RFC1662 PPP in HDLC-like Framing RFC1332 PPP Internet Protocol Control Protocol RFC1042 Transmission of IP Datagrams over IEEE 802 Networks IPoE (a.k.a IP over Ethernet over AAL5) <p>Network spec Features:</p> <ul style="list-style-type: none"> IPv4/IPv6 dual stack 6RD IPoE Bridge Mode IPoE DHCP/Static PPPoE Dynamic/Static IPv6 Stateless/Stateful PPTP/L2TP/GRE/VPN IGMP proxy and MLD for IPTV DNS Proxy DHCP server NAT, NAT and ALG

Model	WI-NR5430
General	<p>Other spec Features: QOS Flow Control Samba/DLNA/FTP DMZ and Port forwarding(Virtual server) SPI Firewall, Denial of Service (DoS) protection Port filtering, IP filtering and MAC filtering URL filter DDNS Static route SNTP Date/time update from Internet Time Server Diagnostics(Ping/TraceRoute) Logs and statistics Automatic timing restart</p> <p>Management Features: WEB GUI Command line tools(telnet/ssh) TR-069 remote mangagment TR181/TR104/TR140/TR143/TR157(periodic statistics) SNMPv2 UPNP</p>
Environment Requirement	
Operating Temperature	0°C~40°C
Storage Temperature	-20°C ~ 70°C
Operating Humidity	5%~95% (typical)
Power Supply	12V/2A
Certification	
Certification	CE, FCC, RoHS, UKCA, RCM



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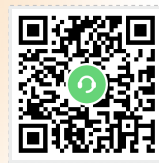
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Technical Support



Cloud Management



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