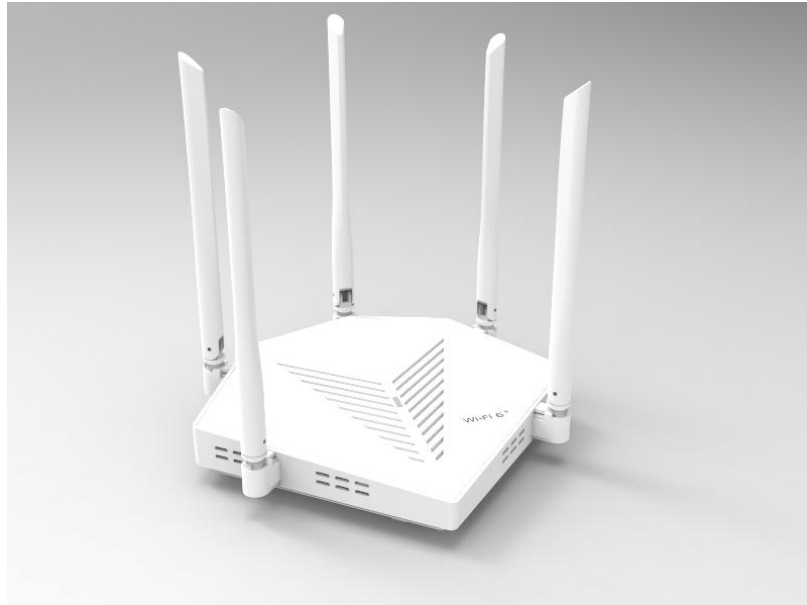


AX3000 Gigabit Dual Band Wi - Fi 6 Wireless Router



一、 Product description:

The RT2980 is a high-performance dual-band WiFi 6 router offering superior speed and coverage.

Key Features:

Ultra-Fast Speeds:

Dual-band WiFi 6 (802.11ax) with combined speeds of 3000Mbps:

574Mbps on 2.4GHz.

2402Mbps on 5GHz.

Up to 4x faster than WiFi 5.

Powerful Hardware:

MT7981BA + MT7976CN + MT7531AE chipset.

1.3GHz dual-core CPU for smooth performance.

Enhanced Coverage:

MIMO technology with four simultaneous transmission channels for stronger, broader signals.

Ideal for large homes, duplexes, and small offices.

Stable and Reliable:

Reduces interference with synchronous dual-band technology for seamless gaming, streaming, and downloads.

Wide Compatibility:

Works with 802.11b/g/a/n/ac/ax devices, supporting most digital products.

The RT2980 delivers fast, stable, and wide-ranging wireless connectivity for modern homes and offices.

二、 Product features:

- offer 1 10/100M /1000M Ethernet (WAN) interface
- offer 3 10/100M /1000M adaptive Ethernet (LAN) interface, and supports automatic MDI / MDIX
- Support automatic adjustment of wireless transmission rate
- Support 2.4G and 5G Dual frequency band
- WPA -PSK, WPA2-PSK, WPA /WPA2-PSK, WPA3 -SAE, WPA2 -PSK/ WPA3 -SAE encryption and security mechanisms can ensure the security of data transmitted in wireless networks
- Four external non-removable high-gain antennas
- SSID support Broadcast control, effectively prevent SSID broadcast leak
- Built-in Network Address Translation (NAT) capability
- Built-in DHCP server
- WEB Software upgrade, free to use the latest software of the router
- Web-enabled management, easy installation wizard
- Support WMM to make your voice and video smoother
- Support VPN Penetrate
- Support UPnP
- Support relay function
- DMZ support

3. Product specifications:

hardware features	
Protocol standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11a, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax, IEEE 802.3, IEEE 802.3u, IEEE 802.3x
interface	1*10 /100M / 1000M WAN port, supports Auto MDI/MDIX 3*10/100M / 1000M LAN mouth, support Auto MDI/MDIX
button	MESH (press for 1 second) Reset (press and hold for 5 seconds)
led	Three-color lamp design: green, red, blue
antenna	External omnidirectional 5dBi gain non-removable antenna
Number of antennas	6
power supply	DC 12V/1A
Wireless Features	
basic skills	Wireless enable / disable SSID broadcast enable / disable Channel selection: 1 ~ 13 (2.4G) 36 ~ 48 + 52~64+149 ~ 165 (5GHz) 2.4G bandwidth: 20MHz , 40MHz 5G bandwidth: 20MHz , 40MHz , 80MHz, 160MHz
2.4G frequency	2412 ~ 2472MHz
5G frequency	5180~5240MHz、5250~5350MHz、5745MHz~5825MHz
wireless transfer speed	2.4G 2TR up to 574Mbps 5G 2T2R up to 2402Mbps
	2.4G actual power : 802.11b 22 ±1.5dBm

power	<p>802.11g 21±1.5dBm</p> <p>802.11n20 19±1.5dBm</p> <p>802.11n40 19±1.5dBm</p> <p>802.11ac40 17.5±1.5dBm</p> <p>802.11ax40 17.5±1.5dBm</p> <p>5G actual power:</p> <p>802.11a 19±1.5dBm</p> <p>802.11n20 18.5±1.5dBm</p> <p>802.11n40 18.5±1.5dBm</p> <p>802.11ac80 17.5±1.5dBm</p> <p>802.11ax80 16.5±1.5dBm</p> <p>802.11ax160 16.5±1.5dBm</p>
Operating mode	<p>A P</p> <p>Router</p> <p>Repeater</p>
wireless security	<p>wireless MAC address filtering</p> <p>WPA-PSK, WPA2-PSK, WPA3 -SAE, WPA/WPA2 -PSK, WP A2- PSK/ WPA3 - SAE</p> <p>WPS (PBC)</p>
Other features	<p>Wireless host status display</p> <p>Wireless site scan</p> <p>Seamless roaming between nodes</p> <p>Seamless roaming between frequency bands</p>
Wi- Fi settings	<p>Wi-Fi basic settings (dual frequency integration, switch, wireless mode, SSID, PWD, encryption algorithm, channel, bandwidth, power adjustment)</p> <p>Advanced Settings (Wireless Client Isolation, 802.11h, WMM Multimedia Acceleration)</p> <p>Multi- SSID (SSID, encryption method, PWD, encryption algorithm)</p>
software features	

network settings	Support WAN port connection type: PPPoE, dynamic IP, static IP
LAN settings	DHCP server settings Manage IP settings
virtual server	Firewall Settings, Port Forwarding, UPnP, DMZ
advanced settings	Traffic statistics, DNS settings, QoS settings, VPN settings, anti-rubbing network
System Management	System status, time setting, password management, configuration management, firmware upgrade, scheduled restart, system log
System Tools	Traffic Statistics System log time zone setting Local WEB management control configuration File import and export Web software upgrade
other	
size	226 * 133 * 50mm
Use environment	Operating temperature: 0 °C to 40 °C Storage temperature : -40 °C to 70 °C Working humidity: 10% to 90%RH non-condensing Storage humidity: 5% to 90%RH Does not condense