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AX3000 Dual-Band Wi-Fi 6 Router Model: MR80X

Highlights

- Faster Wi-Fi, Full Immersion Ultra-Fast Wi-Fi 6 Speeds up to 3 Gbps⁺
- Connect 4× More Devices OFDMA for More Stable Connections[§]
- Wi-Fi that Goes Farther Beamforming with High-Gain Antennas
- Minimize Buffering and Lag Robust Qualcomm Dual-Core Processor
- Overall Security Protection Latest WPA3 Wireless Encryption

Applications





Ideal for average Internet users seeking fast downloads, seamless streaming audio, uninterrupted streaming video, and lag-free online gaming

Features



Parental Controls Establish appropriate policies to protect children with responsible, safe internet access



Guest Network Provides a separate network for guests to ensure your security and privacy



Quality of Service Prioritizes devices you select to perform better



Access Point Mode Extends a wired network and makes it wireless



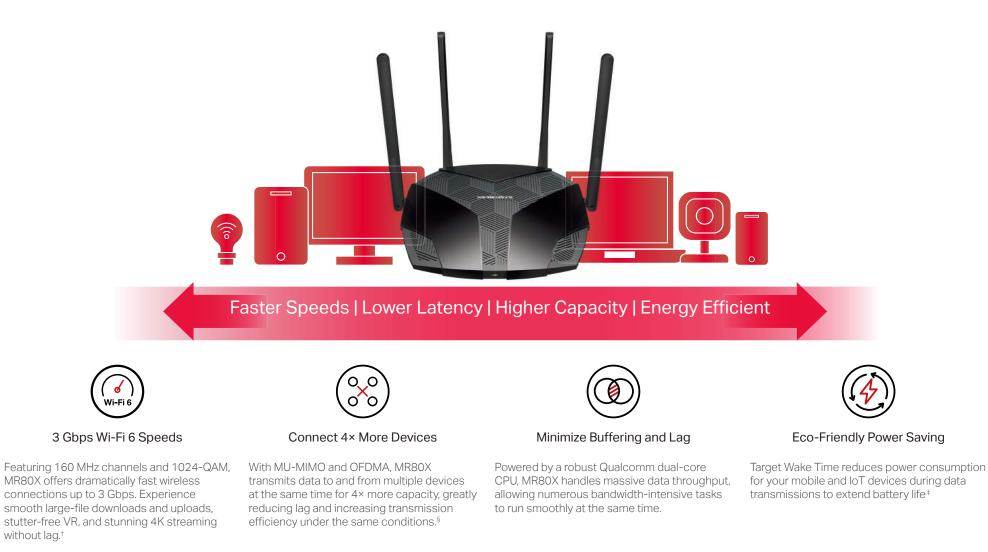
IPTV Supported Supports IGMP Proxy/Snooping, Bridge, and Tag VLAN to optimize IPTV streaming



IPv6 Supported Allows you to enjoy IPv6 services provided by your ISP and visit IPv6 websites

// Crank Up Your Wi-Fi to 6

The latest Wi-Fi 6 standard applies advanced technology designed to deliver more simultaneous connections, extend Wi-Fi range, and maintain reliably fast data transmissions, satisfying demands for high-performance wireless experiences.



Expansive Wi-Fi Range

Four powerful high-gain antennas armed with advanced wireless technology provide strong signals throughout your home. Beamforming detects your connected devices and concentrates wireless signal strength towards them, making your connections more stable.





Regular Router without Beamforming

Smart Connect

Smart Connect combines the 2.4 GHz and 5 GHz bands into a single Wi-Fi SSID and helps your devices intelligently choose the best available band that has the stronger signal and faster speed, keeping your devices always running optimally.



Overall Security Protection

against brute-force attacks.[^]

Wi-Fi protection to defend your devices and private information

The latest security standard, WPA3, provides improved comprehensive



Specifications

Hardware

Ports 1× Gigabit WAN Port + 3× Gigabit LAN Ports

Button Reset/WPS Button Dimensions (W x D x H) 8.2 × 6.8 × 1.6 in (208.8 × 171.6 × 41.7 mm) Antennas

4× 5 dBi Fixed Omni-Directional Antennas



Connect to the internet

Wireless

Wireless

2402 Mbps (5 GHz) + 574 Mbps (2.4 GHz), compatible with 11ax/ac/a/b/g/n Wi-Fi standards[†]

- OFDMA: Allows simultaneous data transmission to and from several devices sharing one band, satisfying high network capacity demands[‡]
- MU-MIMO: Transfers data to more devices simultaneously, improving overall network efficiency[‡]
- 160 MHz Channel: Doubles the speeds offered by 80 MHz channels for faster connections[‡]
- 1024-QAM: Packs more effective data at once to achieve a 1.25× speed increase over 802.11ac 256-QAM[‡]
- Smart Connect: Intelligently chooses the best available band for each device
- Access Point Mode: Extends a wired network and makes it wireless

EIRP

2.4 GHz < 20dBm (EIRP) 5 GHz < 23dBm (band1、 band2) 5 GHz < 30dBm (band3)

Reception Sensitivity 11g 6Mbps: -97dBm

11g 54Mbps: -79dBm 11n HT40 MCS7:-74dBm 11n HT20 MCS7:-77dBm 11a 6Mbps: -97dBm 11a 54Mbps: -79dBm 11ac VHT20 MCS8:-75dBm 11ac VHT40 MCS9:-71dBm 11ac VHT80 MCS9:-67dBm 11ax VHT20 MCS11:-67dBm 11ax VHT40 MCS11:-64dBm 11ax VHT80 MCS11:-61dBm **Wireless Function** Enable/Disable Wireless Radio, WMM **Security Features**

- Guest Network Access
- Firewall Protection
- Wireless Security: WEP, WPA /
- WPA2-Personal, WPA2 / WPA3-Personal
- VPN Support: OpenVPN, PPTP supported

Specifications

Software

WAN Type Dynamic IP/Static IP/PPPoE/L2TP/PPTP DHCP Server, DHCP Client List NAT Forwarding Port Forwarding, Port Triggering, UPnP, DMZ Management Access Control Local Management Remote Management Remote Management Firewall Security SPI Firewall, IP and MAC Address Binding Guest Network 2.4 GHz Guest Network, 5 GHz Guest Network

Others

Package Contents

- AX3000 Wi-Fi 6 Router MR80X
- Power Adapter
- Quick Installation Guide
- RJ45 Ethernet Cable

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Operating Humidity: 10%~90% Non-Condensing
- Storage Humidity: 5%~90% Non-Condensing

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*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput, wireless coverage, and number of connected devices are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

[‡]Use of 802.11ax (Wi-Fi 6), and features including OFDMA, HE160, MU-MIMO, 1024-QAM, BSS Color, and Target Wake Time(TWT) requires clients to also support the corresponding features. Actual power reduction by Target Wake Time may vary as a result of network conditions, client limitations, and environmental factors. The 160 MHz bandwidth may be unavailable in the 5 GHz band in some regions/countries due to regulatory restrictions. This router may not support all the mandatory features as ratified in Draft 3.0 of IEEE 802.11AX specifications. Further software upgrades for feature availability may be required.

§The 802.11ax white paper defines standardized modifications to both the IEEE 802.11 physical layers (PHY) and the IEEE 802.11 Medium Access Control (MAC) layer as enabling at least one mode of operation capable of supporting improvement of at least four times the average throughput per station (measured at the MAC data service access point) in a dense deployment scenario.

△Use of WPA3 requires clients to also support WPA3.