

## Wireless Router MERCUSYS



## Wireless Router

**IEEE 802.11a**

**IEEE 802.11b**

**IEEE 802.11g**

**IEEE 802.11n**

**IEEE 802.11ac**

**IEEE 802.11ax**

**MR80X**

Model: MR80X

Manufacturer: MERCUSYS

EAN: 6957939000646

Product Code: 194619

## R787

**Faster Speeds. Broader Access. Higher Capacity.**

A New Era of Home WiFi

AX3000 Dual-Band Wi-Fi 6 Router

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## Gigabit WiFi Connectivity, Always Up-to-Date

Doubling the bandwidth with 160 MHz channels,<sup>1</sup> MR80X unlocks the limits of the previous channel width and provides next-level speeds for your devices. With WiFi 6 speeds up to 3 Gbps,<sup>2</sup> finish large-file downloads in minutes and experience stunning 4K streaming without lag.

## Connect 4× More Devices, All Simultaneously

Streaming or gaming on multiple devices brings more fun without dragging down performance. MR80X supports OFDMA and MU-MIMO<sup>1</sup> to power up your WiFi by allowing multiple clients to transmit at the same time. This delivers 4× greater network capacity and efficiency in traffic-dense environments.

## Reduce the Interference from Your Neighbors' WiFi

Interference from nearby wireless networks may cause issues with your signal, especially when you live in an apartment or close to your neighbors. MR80X supports BSS Coloring to mark the data frames from different APs. This helps minimize the signal interference from your neighbors to improve transmission efficiency.

## Eco-Friendly Power Saving

Target Wake Time reduces power consumption for your mobile and IoT devices during data transmissions to extend your devices' battery life.

## **More Targeted Signals that Penetrate Walls**

Four external high-gain antennas armed with integrated signal amplifiers provide strong WiFi signals that reach farther. Beamforming detects your connected devices and concentrates wireless signal strength towards them, making your connections more stable.

## **The Latest WPA3 Protects Your Personal Network**

The latest security standard, WPA3, offers improved comprehensive WiFi protection to defend your devices and private information against brute-force attacks<sup>4</sup>.

## Protect Against Brute-Force Attacks

Delivers robust protection even when you are using a weak password

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## Advanced Forward Secrecy

Prevents data from being snooped even if a cracker compromises a session's secret keys

## Unbreakable 128-Bit Encryption

Creates an active defense against security threats and intruders

## Smart Connect

Assigns Devices to the Best Band Automatically

Smart Connect allows each of MR80X's wireless bands to use the same wireless settings. MR80X balances network demand and assigns your devices to the band with the best signal and speed. This keeps your devices always running optimally when you walk around your home.

## Powerful Qualcomm Chipset Minimizes Buffering and Lag

Powered by a highly integrated Qualcomm WiFi 6 chipset that combines a 64-bit dual-core CPU and an advanced 12-thread programmable network processor, MR80X enables stable connections for up to 256 devices.<sup>5</sup> Your network can now handle massive data throughput, allowing numerous bandwidth-intensive tasks to run smoothly at the same time.

- **OPTIMAL WIFI 6 SPEEDS** – Optimal WiFi 6 speeds reaching up to 3 Gbps for faster browsing, streamings, and downloading, all at the same time
- **MORE DEVICES, MORE FUN** – Supports MU-MIMO and OFDMA to reduce congestion and quadruple the average throughput
- **WiFi THAT GOES FARTHER** – 4× multi-directional high-gain antennas with Beamforming boost stable connections throughout your home for strong WiFi signals in every corner
- **OVERALL SECURITY PROTECTION** – The latest WPA3 provides improved WiFi security
- **GIGABIT WIRED CONNECTIONS** – Make full use of your internet access and transfer data at dizzying speeds for peak performance
- **ECO-FRIENDLY POWER SAVING** – Target Wake Time (TWT) reduces power consumption for your mobile and IoT devices during data transmissions
- **LESS WIFI INTERFERENCE** – Minimizes the interference from neighboring signals to improve transmission efficiency with BSS coloring
- **SMART CONNECT** – Intelligently chooses the best available band for each device

Summary: Mercusys AX3000 Dual-Band Wi-Fi 6 Router. WAN connection type: RJ-45. Wi-Fi band:

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Dual-band (2.4 GHz / 5 GHz), Top Wi-Fi standard: Wi-Fi 6 (802.11ax), WLAN data transfer rate (max): 3000 Mbit/s. Ethernet LAN interface type: Gigabit Ethernet, Ethernet LAN data rates: 10,100,1000 Mbit/s, Cabling technology: 10/100/1000Base-T(X). Security algorithms: WEP, WPA, WPA2, WPA3, Firewall security: SPI Firewall, IP and MAC Address Binding, NAT functionality: Port Forwarding, Port Triggering, UPnP, DMZ. Product type: Tabletop router, Product colour: Black, LED indicators: LAN, WAN | Vendor Homepage: <https://www.mercusys.com/en/product/details/mr80x> | Top Wi-Fi standard: Wi-Fi 6 (802.11ax) | Wi-Fi band: Dual-band (2.4 GHz / 5 GHz) | Wi-Fi standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax) | WLAN data transfer rate (first band): 2402 | WLAN data transfer rate (max): 3000 | WLAN data transfer rate (second band): 574 | DSL WAN: No | Ethernet WAN: Yes | SIM card slot: No | WAN connection type: RJ-45 | Cabling technology: 10/100/1000Base-T(X) | Ethernet LAN: Yes | Ethernet LAN data rates: 10/100/1000 | Ethernet LAN interface type: Gigabit Ethernet | Networking standards: IEEE 802.11a/IEEE 802.11ac/IEEE 802.11ax/IEEE 802.11b/IEEE 802.11g/IEEE 802.11n | Number of guest networks (2.4 GHz): 1 | Number of guest networks (5 GHz): 1 | Port forwarding: Yes | Port triggering: Yes | VPN server: OpenVPN, PPTP | VPN support: OpenVPN, PPTP supported | Wireless radio: Yes | 3G: No | 4G: No | 5G: No | DC-in jack: Yes | Ethernet LAN (RJ-45) ports: 3 | USB port: No | Reset button: Yes | Wi-Fi Multimedia (WMM)/(WME): Yes | WPS push button: Yes | DMZ support: Yes | Firewall: Yes | Firewall security: SPI Firewall, IP and MAC Address Binding | Guest access: Yes | NAT functionality: Port Forwarding, Port Triggering, UPnP, DMZ | Network address translation (NAT): Yes | Security algorithms: WEP/WPA/WPA2/WPA3 | DHCP client: Yes | DHCP server: Yes | Universal Plug and Play (UPnP): Yes | LED indicators: LAN,WAN | Product colour: Black | Product type: Tabletop router | AC adapter included: Yes | Cables included: LAN (RJ-45) | Quick installation guide: Yes | Antenna design: External | Antenna gain level (max): 5 | Antennas quantity: 4 | External power adapter: Yes | Power source type: AC | Operating relative humidity (H-H): 10 - 90 | Operating temperature (T-T): 0 - 40 | Storage relative humidity (H-H): 5 - 90 | Depth: 171.6 | Height: 41.7 | Width: 208.8 | Harmonized System (HS) code: 85176990 | Units per Pallet: 0 | Units per Shipping Box: 10 | Unit Calculated Volume: 0.008733 | Unit Calculated Weight: 0.99

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