



## M3 AX1800 Dual Band Mesh Router

1GE WAN/LAN+2GE LAN+AX1800 WiFi6

M3 is a customized wireless router for small and medium-sized businesses and home Wi-Fi coverage, the router has the advantages of fast network speed, stable and smooth, wide coverage, strong security and easy operation, etc. M3 provides dual-band wireless 802.11ax Wi-Fi with high performance for 2.4GHz and 5GHz dual-band to provide the best wireless connectivity. With a maximum speed of 1201Mbps in the 5GHz band and 574Mbps in the 2.4GHz band, the combined bandwidth is up to 1775Mbps, making it easy to complete data transmission at high-speed rates.

- Dual-band concurrent Wireless Access Point compatible with IEEE802.11a/b/g/n/ac/ax
- 16MByte Flash and 128Mbyte RAM
- 1201Mbps on 5GHz and 574Mbps on 2.4GHz band
- Smart Mesh networking and IEEE802.11K/V/R
- Supports multiple devices extension for wide WiFi coverage
- Wireless roaming helps users auto switch to stronger signal source
- Next-GEN MU-MIMO technology improves user experience comprehensively
- Intelligent Beamforming delivers highly targeted and efficient WiFi connection
- Full gigabit WAN and LAN ensures high speed Internet access and wired speed
- Supports DHCP, Static IP and PPPoE broadband functions
- QoS: Bandwidth Control based on IP address
- Support Easy Mesh protocol
- Supports Mobile APP
- Support TR069

## Benefits

### Ultra-fast Dual-band Gigabit Wireless Network Access

M3 adopts 802.11ax standard, providing data transmission rates of up to 574Mbps in the 2.4GHz band and 1201Mbps in the 5GHz band, enabling high-quality gigabit wireless network access to match users' broadband services and bring its performance into full play. The stable and fast wireless network meets the massive data transmission needs of online video, games, large file transfer and other services, giving users a better network experience.

### IPv6 Dramatically Increases Data Forwarding Rate and Reduces Latency

IPv6 uses a fixed header, which improves the efficiency of network data forwarding compared to IPv4, which needs to carry a bunch of lengthy data. And since the routing table of IPv6 is smaller and has stronger aggregation capability, it makes the path of data forwarding shorter, which dramatically improves forwarding efficiency. Given the lack of resources in IPv4 today, IPv6's address length of 128 bits, four times that of IPv4, eliminates the address conflict problem common in IPv4 and provides more simplified connectivity and communication for devices.

### Easy Mesh Networking, High-speed Wireless Network Coverage for the Whole Family

Support Easy Mesh networking. Through the interconnection between wireless routers, it provides stable and high-speed overall Wi-Fi coverage for the whole family and reduces signal attenuation, which is suitable for families with high network requirements and are not satisfied with a single router. Easy Mesh enables automatic switching between nodes, sharing a common Wi-Fi name with no manual adjustment, while remote management features and software support can reduce the difficulty of device operation and enable efficient networking.

## Specification

### Hardware

#### Interfaces

- 1\*10/100/1000Mbps WAN/LAN Port
- 2\*10/100/1000Mbps LAN Ports
- Buttons:

Mesh Button, Reset Button,

- Dimensions:  
105\*70\*125mm(L\*W\*H)

#### WiFi

- Wireless Standards: IEEE802.11b/g/n/a/ac/ax
- Antenna: 4 internal antennas
- Signal Rate:  
-5GHz: Up to 1201Mbps  
-2.4GHz: Up to 574Mbps
- Wireless Security: WPA3, WPA/WPA2, WPA-PSK/WPA2-PSK
- Support WIFI Easy-mesh function
- SSID Broadcast

- Support MU-MIMO

- Support Beamforming

#### Power and Appearance

- Power Supply: DC 12V 1A
- Power Consumption: ≤12W

#### Software

- WAN Type: Dynamic IP/Static IP/PPPoE
- DHCP: Server, Client, DHCP Client List, Address reservation
- Virtual Server: Port forwarding, UPnP, DMZ
- VPN: IPsec/PPTP/L2TP/PPTP client/L2TP client
- Quality of Service: WMM, Bandwidth Control
- Firewall:
  - Forbid UDP flood attack
  - Forbid TCP flood attack
  - Forbid ICMP flood attack

- Management:

- Client filter (support blacklist and whitelist)
- Parental control
- Remote management
- IP and MAC address binding
- Internet Protocol: IPv4, IPv6
- Supports Web UI, TR069

#### Environment

- Operating Temperature: 0°C~40°C
- Storage Temperature: -40°C~70°C
- Operating Humidity: 10%~90%, non-condensing
- Storage Humidity: 5%~90% non-condensing
- Certifications: CQC, FCC, CE, RoHS
- Installation: desktop

**PHYHOME**