

Product Highlights

Ultra-Fast Transmission Speed

A Dual-band Wi-Fi 6 router that provides 160MHz bandwidth and 1024-QAM for ultra fast wireless connection, 574Mbps on 2.4GHz and 2402Mbps on 5GHz.

Overall Security Protection

New generation of Wi-Fi security standard WPA3 which increases the difficulty of algorithmic and password cracking to prevent forced-attacks violent cracking.

Simple Setup Wizard

The setup wizard allows you to directly connect to the router and follow the on-screen instructions, making installation hassle-free



M3000TR

AX3000 Dual Band Gigabit Wi-Fi 6 MESH Router

Features

Connectivity

- Wi-Fi 6, AX3000: Max. speed up to 574Mbps(2.4GHz) + 2402Mbps (5GHz)
- Built-in router mode for connecting to your high-speed broadband Internet connection
- Gigabit WAN port supports high-speed Internet connections of today and tomorrow
- Gigabit LAN ports to connect wired devices for high-speed online activities
- Beamforming with High-Gain Antennas makes Wi-Fi goes farther

Security

- Wi-Fi Protected Setup (WPS) to quickly and securely add devices to your network
- WPA/WPA2 encryption to secure your wireless traffic
- WPA3 encryption for overall security protection

Easy of Use

- Quick Setup Wizard

The M3000TR is a router adopts the Wi-Fi 6 : IEEE802.11ax and provides significantly improved coverage with high-gain antennas. Operating as a Mesh router, the dual-band concurrency rate up to 3000Mbps (2.4GHz:574Mbps, 5GHz:2402Mbps).By using OFDMA+MU-MIMO technology, the delay is reduced, more devices can be connected to the Internet at the same time and the transmission efficiency is significantly improved. Impressive performance makes it an excellent solution for large houses or small office.

Fast and Reliable Home Network

The M3000TR AX3000 Dual Band Gigabit Wi-Fi 6 MESH Router creates a blazing fast home network that connects all of your devices to your broadband Internet connection. Concurrent dual-band 802.11ax brings you the high-bandwidth wireless connectivity, allowing you to stream HD video, make Internet voice calls, and surf Internet from every corner of your home without interruption. Gigabit Ethernet ports provide high-speed wired connections for up to four PCs or other devices. It's stylish, easy to use, and provides you with a reliable network for today and tomorrow.

The latest Wi-Fi standard

Upgrades your network to 11ax, which operates in both 5GHz and 2.4GHz band. Wi-Fi 6, the 802.11ax, is the mostly compliant Wi-Fi standard for current home wireless networking. With combined wireless speeds of up to 3000Mbps, the device provides better speeds and coverage. You can run multiple bandwidth-intensive applications in a large home or office.

Robust TR-069 Remote Management

The M3000TR AX3000 Dual Band Gigabit Wi-Fi 6 MESH Router works with TR-069 standard management specifications, allowing remote management and diagnosis, reducing the manpower needed for on-site maintenance, and increasing CSI (Customer Satisfaction Index). This unique feature not only offers users a true "plug-and-play" experience but also reduces deployment complexity, thereby saving operation and maintenance costs.

Backward with Wireless AC

The M3000TR is backward with Wireless AC technology, which is the most widely standard currently. The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time. This allows you to browse the web, chat and e-mail using the 2.4 GHz band, while simultaneously streaming digital media, playing online games, or making Internet voice calls on the 5 GHz band.

Mature IPv6 Capability

With supporting IPv4/IPv6 Dual Stack, the M3000TR helps operators and end users to achieve a future-proof network with smooth evolution.

Minimize Lag for a better smart products experience

With the innovative combination of OFDMA + MU-MIMO, 802.11ax technology provides greater network capacity and efficiency in congested environments than Wi-Fi 5. OFDMA divides each channel into small sub-channels, allowing signals from multiple appliances to be bundled together and transmitted simultaneously, reducing latency for a smoother Wi-Fi experience..

Quality of Service (QoS)

The QoS features on M3000TR enable service providers to design QoS policies and prioritize mission-critical services such as IPTV and Internet freely based on their individual service plans. This in turn allows service providers to deliver real multi-play applications to users and increase network efficiency.

Technical Specifications

Hardware	
Interface	◆ 1*10/100/1000Mbps RJ-45 WAN port ◆ 2*10/100/1000Mbps RJ-45 LAN ports
Buttons	◆ 1*MESH button ◆ 1*Reset button
LEDs	◆ Power, SYS, MESH
Antenna	◆ 2*5dbi internal antennas
WiFi Standards	◆ 802.11 a/b/g/n/ac/ax
Frequency	◆ 5GHz (5.150GHz ~ 5.30GHz) ◆ 2.4GHz (2.4GHz ~ 2.4835GHz)
Maximum Data Speed	◆ 5Ghz:2402Mbps ◆ 2.4Ghz:574Mbps
Output Power	5Ghz: ■ 11a(54M): 11±1.5dBm ■ 11n(20MHz, MCS7): 19±1.5dBm ■ 11n(40MHz, MCS7): 18±1.5dBm ■ 11ac(80MHz, MCS9): 20±1.5dBm ■ 11ax(160MHz, MCS11):20±1.5dBm 2.4Ghz: ■ 11b/g(11M/54M): 14±1.5dBm ■ 11n(20MHz, MCS7): 14±1.5dBm ■ 11n(40MHz, MCS9): 14 ±1.5dBm

Receive Sensitivity	5Ghz ■ 11a(54M): -71 ■ 11n(20MHz, MCS7): -70 ■ 11n(40MHz, MCS7): -67 ■ 11ac(80MHz, MCS9): -60 ■ 11ax(160MHz, MCS11): -51 2.4Ghz ■ 11b(11M): -86 ■ 11g(54M): -72 ■ 11n(20MHz, MCS7): -70 ■ 11n(40MHz, MCS7): -67 ■ 11ax(40MHz, MCS11): -57
Wireless Security	◆ WPA-PSK ◆ WPA2-PSK ◆ WPA/WPA2-PSK ◆ WPA3-SAE ◆ WPA3-SAE/WPA2-PSK
Software	
Networking	◆ PPPOE/Dynamic IP/Static IP WAN/L2TP mode ◆ IPv4/IPv6 Dual Stack ◆ NAT ◆ Port forwarding ◆ UPnP IGD with NAT traversal capability ◆ Static routing ◆ Dynamic DNS relay ◆ DHCP client/server ◆ IGMP and MLD snooping/proxy
QoS	◆ Flexible packet classification ◆ Wi-Fi Multimedia (WMM)
Security	◆ Stateful Packet Inspection (SPI) ◆ Denial of Service (DoS) prevention ◆ Multiple VPN (IPSec, PPTP,L2TP) passthrough ◆ IP filtering
Management	◆ Web based GUI ◆ WAN Management Protocol (TR-069) ◆ Date/time update from SNTP Internet Time Server
Others	
Physical Characteristics	◆ Net weight: 200g ◆ Dimensions(LxWxH): 99x99x102 mm
Power	◆ Input: 100 ~ 240 V ◆ Output: 12 V / 1.0 A
Environmental Characteristics	◆ Operating temperature: 0 ° C~ 40° C (32° F ~ 104° F) ◆ Humidity: 5% ~ 95% (non-condensing)
Certification	◆ CE ◆ Rohs

Application Scenario

