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AX1800 Dual Band Smart Home Wi-Fi System

M3 (1GE WAN+2GE LAN+AX1800)



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AX1800 Wireless Router

M3

Product Descriptions

M3 is an AX1800 Wi-Fi 6 Mesh distributed router, specially designed to build a smart home Wi-Fi system. Equipped with OFDMA, it provides 1.8Gbps speed, 4 times faster than 11ac technology, and a larger capacity to handle more devices on your network, ensuring that you can enjoy fast Internet connections on all your devices. Supports the EasyMesh networking function, even in the case of large houses and multiple floors, M3 can easily and efficiently achieve Wi-Fi coverage. At the same time, the wireless roaming function helps exchange better signal sources, allowing you to stay connected and enjoy high-speed Wi-Fi in your home. The M3 combo kit is an ideal choice for high-speed Wi-Fi coverage of large-sized, multi-floor families.

Main Features

- Comply with the next generation Wi-Fi 6 (IEEE 802.11ax) standard
- The maximum rate of 1201Mbps on 5GHz, and the maximum rate of 573.5Mbps on 2.4GHz, totaling 1774.5Mbps
- One-click Mesh networking
- Support multi-device networking to achieve wide Wi-Fi coverage
- Wireless roaming can help users automatically switch to a stronger signal source
- OFDMA can increase the capacity and efficiency of the network, so you can connect more devices without reducing the Wi-Fi speed
- TWT (Target Wake Time) technology reduces the power consumption of the device, thereby extending its battery life
- MU-MIMO technology allows simultaneous transmission of data to multiple devices
- Beamforming technology improves directional signal transmission and increases bandwidth efficiency
- The full gigabit port provides greater functionality for data forwarding connected by cable
- Support DHCP, static IP, PPPoE PPTP and L2TP broadband functions
- Support WPA3 wireless security protocol to ensure network security
- Support VPN server, guest network, intelligent QoS, Wi-Fi scheduler
- The parental control function on the router allows you to easily manage content and time online on any connected device

Specification

Hardware	
Chipset	- MT7621DA+MT7915DA+MT7975DN
Flash	- 16Mbyte/128Mbyte
SDRAM	- Default 64MByte
Interface	- 2 *1000Mbps LAN Ports - 1 *1000Mbps WAN Port
Power Supply	- 12V DC/1A
Button	- 1 *Mesh Button - 1* RST Button
LED Indicators	- 1 *Status
Antenna	- 2 *Internal Antennas (2.4G/5G)

Dimensions (L x W x H)	- 89 x 89 x 68.5mm		
Wireless			
Standards	- IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11n, - IEEE 802.11g, IEEE 802.11b, IEEE 802.11a		
RF Frequency	- 2.4~2.4835GHz - 5.150-5.250GHz, 5.725~5.850GHz		
Data Rate	- 2.4GHz: up to 573.5Mbps (2*2 40MHz) - 5GHz: up to 1201Mbps (2*2 80MHz)		
EIRP	- 2.4GHz < 23dBm - 5GHz < 20dBm		
Wireless Security	- 64/128-bit WEP, WPA, WPA2 and WPA-Mixed - WPA3		
Reception Sensitivity	2.4G: 11b: <-81dbm; 11g: <-68dbm; 11n HT20: <-65dbm HT40: <-62dbm 11ax HE40: -48dB 5G: 11a:<-68dbm; 11n: HT20<-65dbm HT40: <-62dbm 11ac VHT80: <-51dbm 11ax HE40: <-48dbm 11ax HE80: <-46dbm		
Software			
Operation Mode	- Mesh Mode		
Home	- Quick Setup Advanced setup - QR Code Reboot	- Basic setup - Logout	- -
Mesh setting	- Mesh Networking - Clear default pairing	- Mesh Topology	- Roaming
Network	- WAN Setting IP/MAC Binding - DDNS Setting	- LAN Setting - IPTV Setting	-

WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP		
Wireless	- Basic setup	- Guest Network(Multiple SSID)	
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address		
Security	- MAC Filtering	- IP/Port Filtering	- URL Filtering
NAT	- Virtual Server(Port Forwarding) - VPN passthrough		- DMZ
Tools	- Upgrade Firmware - Password Settings so on	- Time Setup - Reboot Schedule	- Remote management - System Log and
Others			
Package Contents	- M3 Wireless Router *1 - Power Adapter *1 - Ethernet Cable *1 - Quick Installation Guide *1 Remark: This product 2 in 1 package(Default), the above list is only for reference.		
Environment	- Operating Temperature: 0℃~50 ℃ (32 ℉~122℉) - Storage Temperature: -40℃~70 ℃ (-40 ℉~158℉) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~90% non-condensing		

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