

Datasheet

Wi-Fi 6 3000Mbps Indoor Mesh Wi-Fi

WI-AX3000M



Wi-Tek
Communication Solution

Overview

WI-AX3000M is a Mesh Wi-Fi system designed to enlarge signal coverage to home, villas, and etc. For large home, simply add a Mesh Node to the system for expanded Wi-Fi coverage. Coming with Wi-Fi standard 802.11ax, WI-AX3000M provides wireless speed of up to 3000Mbps. In the meanwhile, supporting MU-MIMO and OFDMA technology, WI-AX3000M provides faster wireless speed and ensures more stable connection to the clients terminal at the same time. WI-AX3000M can realize automatic network organization and routing selection, which creates more flexible and efficient wireless network.

Features

Ultra-fast Speed of Wi-Fi 6 AX3000

Following Wi-Fi 6 standard 802.11ax, WI-AX3000M can provide wireless speed of up to 3000Mbps, allowing multiple users to enjoy smooth network applications.

MU-MIMO and OFDMA Technology

Adopting MU-MIMO and OFDMA technology, WI-AX3000M can enable simultaneous connectivity to multiple devices, optimizing resource utilization and improve efficiency in densely populated environments.

SD-LAN Technology

SD-LAN (Software-defined local area network) , used to quickly setup a dedicated encryption tunnel on the public network, realize the interconnection between each branch nodes in different regions, which enables visual management, easy deployment, high reliability and security and lower project costs.

EasyMesh Technology

(Note: Easymesh devices can be networked only with devices that support Easymesh standard)

With EasyMesh technology, WI-AX3000M can realize quick connections with multiple access points to enlarge network coverage. Besides, it also realizes network self-healing if one of the notes fails .

Double WAN Ports

Double WAN ports enables bandwidth aggregation, which improves overall network speed.

Wi-Tek Cloud APP Management

With Wi-Tek cloud app, you can setup and manage network anytime. In just easy steps, you can get network up and running in minutes.



Specifications

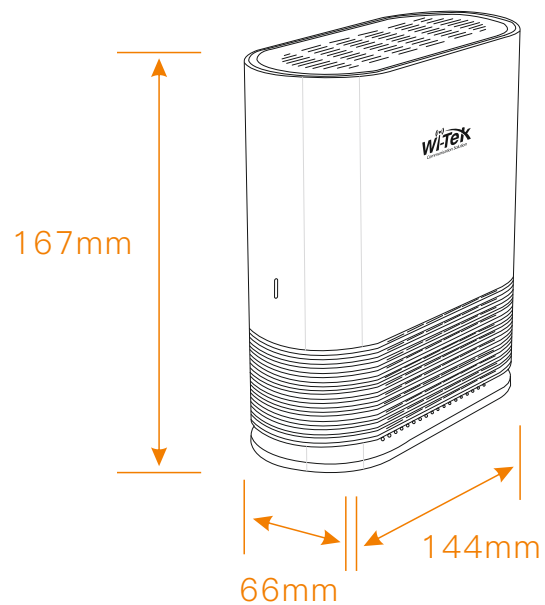
Model	WI-AX3000M
Hardware Features	
Hardware Version	V1
Memory	RAM:512MB Flash:128MB
Interface	1*10/100/1000Mbps RJ45 WAN Port 1*10/100/1000Mbps RJ45 LAN/WAN Port 2*10/100/1000Mbps RJ45 LAN Ports 1*Reset Button (long press for 8 seconds to restore the factory default configuration)
Power Supply	DC 12V/1A
Max. Power Consumption	7W
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Data Rates	2.4GHz: up to 574Mbps 5GHz: up to 2402Mbps
MIMO	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO
Antenna	2.4GHz: 5dBi 5GHz: 5dBi
Frequency	2.4GHz ~ 2.484 GHz 5.150GHz ~ 5.825GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	2.4GHz: 20/40MHz 5GHz: 20/40/80/160MHz
Max. TX power	2.4GHz: 20dBm 5GHz: 20dBm

Model		WI-AX3000M	
Receiver Sensitivity	2.4GHz:		
	802.11b: -119±1.5dBm @1Mbps		-90±1.5dBm dBm@11Mbps
	802.11g: -96±1.5dBm@6Mbps		-78±1.5dBm @54Mbps
	802.11n 20MHz: -96±1.5dBm@MCS0		-76±1.5dBm @MCS7
	802.11n 40MHz: -92±1.5dBm @MCS0		-74±1.5dBm @MCS7
	802.11ax 20MHz: -96±1.5dBm @MCS0		-66±1.5dBm @MCS11
	802.11ax 40MHz: -94±1.5dBm @MCS0		-63±1.5dBm @MCS11
	5GHz:		
	802.11a: -94±1.5dBm @6Mbps		-78±1.5dBm @54Mbps
	802.11n 20MHz: -94±1.5dBm@MCS0		-74±1.5dBm @MCS7
	802.11n 40MHz: -90±1.5dBm @MCS0		-72±1.5dBm @MCS7
	802.11ac 20MHz: -94±1.5dBm @MCS0		-72±1.5dBm @MCS8
	802.11ac 40MHz: -90±1.5dBm @MCS0		-66±1.5dBm @MCS9
	802.11ac 80MHz: -88±1.5dBm @MCS0		-62±1.5dBm @MCS9
	802.11ax 20MHz: -94±1.5dBm @MCS0		-64±1.5dBm @MCS11
802.11ax 40MHz: -92±1.5dBm @MCS0		-60±1.5dBm @MCS11	
802.11ax 80MHz: -88±1.5dBm @MCS0		-58±1.5dBm @MCS11	
802.11ax 160MHz: -84±1.5dBm @MCS0		-56±1.5dBm @MCS11	
Software Features			
Operating Mode	Router Mode(Default), AP Mode		
WAN Type	Dynamic IP, Static IP, PPPoE		
Dual-WAN Aggregation	Supported		
Protocols	IPv4, IPv6		
DHCP	DHCP Server, DHCP Pool, DHCP, DHCP Lease, DNS Server, Host List		
Routing	Routing Table, ARP Table		
Wireless	Enable/disable SSID Hide SSID Wi-Fi Isolate Multiple SSID Wireless Statistics Wi-Fi Schedule Wi-Fi Multimedia (WMM)		

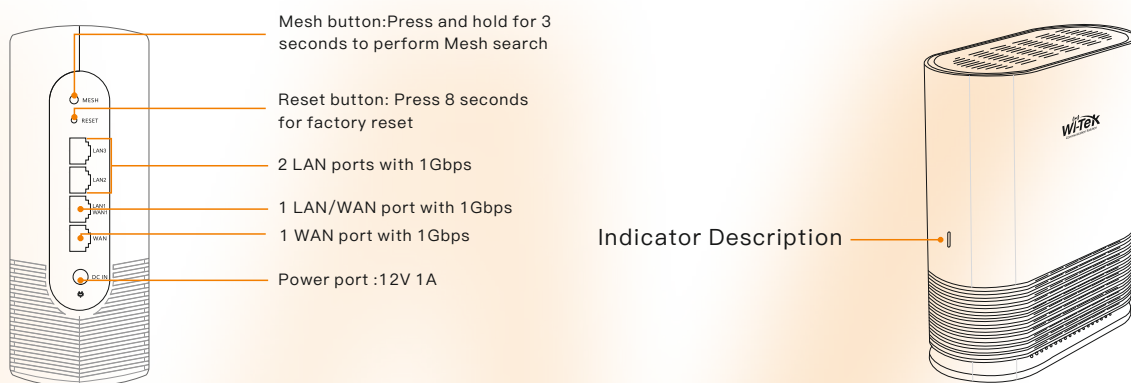
Model	WI-AX3000M
Radio	Region Adjustment Channel Adjustment Bandwidth Adjustment Tx Power Adjustment Weak Signal Threshold Setting
Wireless Security	WPA-PSK(TKIP), WPA2-PSK(TKIP,CCMP), WPA2-PSK(CCMP), WPA2/PA3-PSK(CCMP,SAE), WPA3-PSK(SAE), WPA-Enterprise, WPA2-Enterprise
Mesh	EasyMesh
Port Forwarding	Port Mapping, DMZ, UPnP
Access Control	Source/Destination IP Based Access Control, Wireless Blacklist/Whitelist
Advanced Applications	SD-LAN Onvif Detection
System	Scheduled Reboot Ping Watchdog Diagnostics : Ping, Traceroute Restore & Backup Firmware update via Web NTP
Management	Support local management with web Support remote management with Wi-Tek Cloud platform and APP
Others	
Certification	CE, FCC, RoHS, UKCA, RCM
Product Dimension	167mm*144mm*66mm
Package Dimension	325mm*235mm*70mm
Environment	Operating Temperature: -20°C~55°C(-4°F~131°F) Storage Temperature: -40°C~70°C(-40°F~158°F) Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)

WI-AX3000M

Dimensions (mm)



Side Panel



Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Mesh Wi-Fi	1 pcs
Power Adapter	1 pcs
Ethernet Cable	1 pcs
Quick Installation Guide	1 pcs



Wireless-Tek Technology Limited

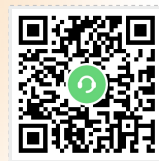
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Technical Support



Cloud Management



Company Website