



Datasheet

Wi-Fi 6 Wireless Mesh Router

WI-AX1800M

Overview

WI-AX1800M is a dual-band Wi-Fi6 mesh Router designed for villas, shopping malls. Coming with Wi-Fi standard 802.11ax, WI-AX1800M provides wireless speed of up to 1800Mbps. Additionally, supporting MU-MIMO technology, WI-AX1800M provides faster wireless speed and ensures more stable connections to client terminal at the same time. In the meanwhile, WI-AX1800M can realize automatic network optimization and routing selection, which creates more flexible and efficient wireless network.

Features

MU-MIMO Technology

Adopting MU-MIMO technology, WI-AX1800M can provide faster wireless speed and enable more access to the multiple devices at the same time, enhancing the users' online experiences.

EasyMesh Technology

With EasyMesh technology, WI-AX1800M can realize quick connections with multiple access points to enlarge network coverage. Besides, it also realizes network self-healing if one of the nodes fails.

***Note: Easymesh devices can be networked only with devices that support Easymesh standard.**

Wi-Tek Cloud Management Platform

Wi-Tek Cloud's quick configuration provide reliable performance, visual management, and real-time monitoring, enhancing the efficiency of device management.



Specifications

Model	WI-AX1800M
Hardware Features	
Hardware Version	V2
Memory	DDR3: 256MB Flash: 16MB
Interface	1*10/100/1000Mbps RJ45 WAN Port 3*10/100/1000Mbps RJ45 LAN Port 1*Reset Button (long press for 8 seconds to restore the factory default configuration)
Power Supply	DC 12V/1A
Power Consumption (max)	12W
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Data Rates	2.4GHz: up to 574Mbps 5GHz: up to 1201Mbps
MIMO	2.4GHz: 2 x 2 MIMO 5GHz: 2 x 2 MIMO
Antenna	2.4GHz: 5dBi 5GHz: 5dBi
Frequency	2.4GHz ~ 2.483GHz 5.18GHz ~ 5.825GHz *Please follow national regulations to select the appropriate frequency.
Channel Width	2.4GHz: 20/40MHz 5GHz: 20/40/80MHz
Max. TX power	2.4GHz: 20dBm 5GHz: 19dBm
Software Features	
Operating Mode	Router Mode
Internet Connection Type	Static IP, DHCP, PPPoE Dial Up
Network Security	Guest Wi-Fi, Hide SSID, Wi-Fi Isolate Parental Control, IP/MAC binding

Network Security	Wireless Security: WPA-PSK/WPA2-PSK
Advanced Features	<p>Mesh: Supports zero-configuration networking of multiple devices, and supports automatic switching between wired and wireless networking for multiple devices.</p> <p>Wi-Fi optimization: Channel Adjustment, Power Adjustment</p> <p>Firewall: Forbid TCP/UDP flood attack</p> <p>Application: Port Forwarding, SD-LAN, Open VPN</p> <p>Software upgrade: Firmware upgrade online or Firmware upgradeable via browser</p> <p>Diagnostics Utilities: Ping, IPV4 Traceroute, Nslookup</p>
Management and Maintenance	<p>Support local management with web</p> <p>Support remote management with Wi-Tek Cloud platform</p>
Others	
Certification	CE, FCC, RoHS, UKCA, RCM
Product Dimension	167*144*66mm
Package Dimension	325*235*70mm
Product Weight	0.37kg
Package Weight	0.66kg
Environment	<p>Operating Temperature: -20°C ~ 55°C(-40°F ~ 158°F)</p> <p>Storage Temperature: -40°C ~ 70°C(-40°F ~ 185°F)</p> <p>Operating Humidity: 5% ~ 95% (non-condensing)</p> <p>Storage Humidity: 5% ~ 95% (non-condensing)</p>

Package Contents

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

Items	Quantity
WI-AX1800M	1 pcs
Power Adapter	1 pcs
Ethernet Cable	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website