



**WI-AX1800 11AX
1775Mbps
Wireless Mesh
Router Data
sheet**



Highlights

- Simultaneous 2.4GHz 574 Mbps and 5GHz 1201 Mbps connections for 1775 Mbps of total available bandwidth
- Supports 802.11b/g/n/ac/ax standard
- Support Router, Mesh wireless mode
- Support 1*1000Mbps WAN+3*1000Mbps LAN Ports
- 4 external 5dBi antennas and one internal antenna provide stable wireless connections and optimal coverage
- Support Cloud Management
- Support SD-LAN technology, can easy build a VPN network for office and SOHO use
- 128MB SDRAM 16MB Flash,800Mhz CPU

Product



Description

Wi-Tek's AX1800M wireless router is a new generation of high-speed wireless access equipment based on 802.11AX technology. The latest generation of WiFi technology brings faster speeds, less lag, and higher capacity, enabling more simultaneous connections on your home network. It has 4 omnidirectional antennas with an external gain of 5dbi, supports the latest MU-MIMO technology basing on 802.11ax Wave2 specification, The Wireless Speeds up to 1775Mbps. Transmission distance is longer and speed is faster. Every application feels more fluid with drastically improved WiFi speeds. Both 2.4 GHz band and 5 GHz band get upgraded to the latest generation—perfect for 4K streaming, online gaming, and fast download. This model also Support Mesh network with a single Wi-Fi name for seamless whole-home coverage. which effectively improves the accuracy of signals and brings customers unprecedented and distinctive intelligent life experience

Typical Applications

Specifications

HARDWARE FEATURES	
Processor	Qualcomm IPQ6000+QCN5021+QCN5052
Memory	256MB SDRAM 128MB Flash
Interface	4X10/100/1000BASE-TX Ethernet Interface 1WAN+3LAN
Power Consumption	10W
Power	DC 12V/1A
Antenna Type	4*5dBi Omni Antenna

WIRELESS FEATURES	
Wireless Standards	802.11b/g/n/ac/ax
Protocol	CSMA/CA, TCP/IP, IPX/SPX, NetBEUI, DHCP
Wireless Mode	Router, Mesh , AP
WiFi Capacity	Dual-Band Allocate devices to different bands for optimal performance OFDMA Simultaneously communicates with multiple Wi-Fi 6 clients

WIRELESS FEATURES

Airtime Fairness
Improves network efficiency by
limiting excessive occupation
4 Streams
Connect your devices to more
bandwidth

Frequency

802.11ax/ac/n : 5.15-
5.35GHz , 5.725GHz-
5.850GHz
802.11ax/b/g/n :2.4GHz-
2.483GHz

SOFTWARE FEATURES

Wireless Configurations	802.11b/g/n/ac/ax Modes Selectable Channel Width: 20/40/80MHz Automatic Channel Selection Transmission Power Control Dynamic Frequency Security: WPA/WPA2/WPA3, WPA-PSK/WPA2-PSK (AES/TKIP) Encryption, 64/128/152-bit WEP Encryption SSID Broadcast Enable/Disable Distance/ACK Timeout Setting Wireless MAC Address Filter Wireless Advanced: > Beacon Interval/RTS Threshold/Fragmentation >Threshold/DTIM Interval/AP Isolation/Short GI/Wi-Fi Multimedia VLAN SD-LAN
Management	WEB management Cloud Managed
System-level Optimizations	Optimized IGMP Snooping/Proxy for multicast applications
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS,

NetWare, UNIX or Linux.

Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.

Environment

Working Temp: -40 ~ 70°C

Storage Temp: -40 ~85°C

Working Humidity: 10%~95%
non-condensing