FS

WR-AX1800 Wi-Fi 6 Router

AX1800 MU-MIMO Dual Band Gigabit Wi-Fi 6 Router

Overview

The WR-AX1800 Wi-Fi Router adopts the latest Wi-Fi 6 with dual-band concurrency rates of up to 1775Mbps (2.4GHz: 574Mbps, 5GHz: 1201Mbps). With 1.5GHz high-performance quad-core processor units, the network load capacity has been greatly improved. The response you need is instantly quicker, and the long-term operation is more stable. MU-MIMO + OFDMA technology significantly improves network performance and efficiency and allows more devices to access the Internet simultaneously. WR-AX1800 is the preferred router for smart home systems.

Benefits

• Dual-Band, up to 1.8 Gbps

• 1.5Ghz Quad-core Processor

• MU-MIMO+OFDMA Technology

• BBS Coloring

• TWT (Target Wake-up Time)

• WPA3 Security Encryption Protocol

• Easy Setup

Key Features

High-speed Access

The Wi-Fi router adopts the latest generation of Wi-Fi 6 with dual-band concurrency rates of up to 1775Mbps (2.4GHz: 574Mbps, 5GHz: 1201Mbps).

Wi-Fi 6 for Ultra-Fast Transmission Speed

The WiFi 6 router adopts MU-MIMO+OFDMA to significantly improve network performance and efficiency, enabling it to support more client devices simultaneously, wipe out latency, enhance Multi-player online games, and enjoy 4K videos more smoothly.

1.5GHz Quad Core Processor Provides Faster and More Stable Wi-Fi

With the 1.5GHz high-performance quad-core processor, the network load capacity is comprehensively improved. Instant fast response making the operation more stable.

Built-in Signal Enhancement Module

The Wi-Fi router adopts 5Ghz dedicated powerful WLAN full-featured front-end module, equipped with an integrated signal amplifier. The concentrated signal makes sure stronger and more stable Multi-story home WiFi coverage. You can enjoy best again in any corner.

BBS Coloring Reduces Interference And Improves Efficiency

Supporting BBS coloring technology effectively alleviates co-frequency interference, improves spectrum utilization and communication efficiency.

TWT (Target Wake Time)

Target wake time (TWT) is used to help minimize contention between clients and reduce the amount of time a client in power save mode to be awake. It can effectively reduce the power consumption of terminal equipment, thereby improving battery life.
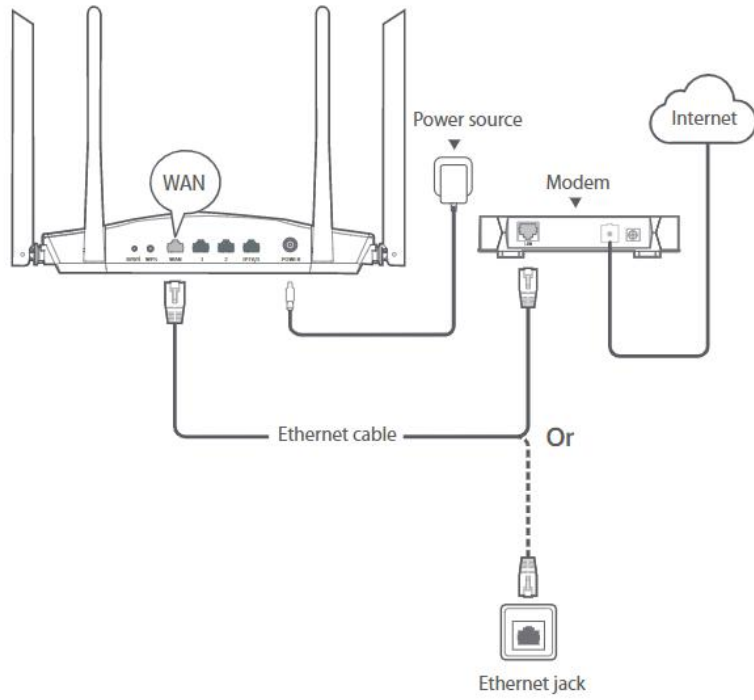
WPA3 Encryption Protocol

The WR-AX1800 carries a new generation of Wi-Fi security standard WPA3, which increases the difficulty of algorithmic and network password cracking, can prevent forced-attacks, violent cracking, and protect user privacy in open WiFi network.

Live The Present Greet The Future

The WR-AX1800 is design to be compatible with smart phone & devices that support Wi-Fi standard in use. Enjoy the latest generation, Wi-Fi standard with the WR-AX1800 From FS.

Device Connection

WR-AX1800 is a wireless router specially designed for homes. First, you only need to connect the power supply through the plug. Then, connect the router's WAN port to the LAN port of your modem or the Ethernet jack using an Ethernet cable.

Technical Specification

Wi-Fi 6 router comes with advanced hardware architecture design. Here's a look at the details.

CHARACTERISTICS

	WR-AX1800
Wireless Feature	
Wireless Standards	•IEEE 802.11a/n/ac/ax 5GHz •IEEE 802.11b/g/n/ax 2.4GHz
Date Rate	•5GHz: Up to 1201Mbps •2.4GHz: Up to 574Mbps
Frequency	Simultaneous dual band 2.4 & 5GHz
Transmit Power	•CE: •<23dBm (5G) •<20dBm (2.4G)
Basic Feature	•SSID Broadcast: Enable/Disable •Transmission Power: high, medium, low
Wireless Security	•WPA-PSK, WPA2-PSK, WPA/WPA2-PSK; WPA3-SAE/WPA2-PSK; •Wireless Security: Enable/Disable
Software Feature	
Internet Connection Type	•PPPoE, Dynamic IP, Static IP
Operation Mode	•Wireless Router mode •Universal Repeater Mode •WPS Mode
DHCP Server	•DHCP Server •DHCP Client List •DHCP Reservation

CHARACTERISTICS

	WR-AX1800
Software Feature	
Virtual Server	•Port Forwarding •DMZ Host •UPnP
Security	•Client Filter •Parental Control(support black list and white list)
Firewall	•Forbid UDP flood attack •Forbid TCP flood attack •Forbid ICMP attack •Forbid WAN PING from internet
DDNS	No-ip, DynDNS
VPN	•PPTP Server •PPTP client •L2TP client
Special Features	•Small Traffic Prioritisation •PPPoE Username/password Clone •Smart WiFi Schedule •Smart LED on/off •Alexa

CHARACTERISTICS

	WR-AX1800

Software Feature

Others	•Bandwidth Control •Guest Network •IPTVVLAN •MAC CloneStatic Routing •System Log •Backup & Restore configurations •Firmware upgrade online •Firmware upgradeable via browser •Supports IPv6

Others

Temperature	•Operating Temperature: 0°C ~ 40°C •Storage Temperature: -40°C ~ 70°C
Humidity	•Operating Humidity: 10% ~ 90% RH non-condensing •Storage Humidity: 5% ~ 90% RH non-condensing
Factory Default Settings	Default Access: fswifi.com
Certificates	CE/FCC/RoHS
EIRP Power (Max)	•2.400-2.4835GHz: 19.86dBm (EIRP) •5.150-5.250GHz: 22.96dBm (EIRP)
Package Contents	•Wireless Router* 1 •Power Adapter* 1 •Quick Start Guide* 1 •Ether Cable* 1

ACCESSORIES

Power Adapter x 1

Ether Cable x 1

Legal Disclaimer

1. Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications are based upon test results under normal usage conditions. Actual wireless transmission rate and wireless coverage are not guaranteed, and will vary as a result of:

1) environmental factors, including building materials, physical objects and obstacles,

2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead.

3) client limitations, including rated performance, location, connection quality, and client condition.

2. Use of MU-MIMO, DL/UL OFDMA, TWT, WPA3 and 1024QAM requires clients to also support those functions

3. Use of 802.11ax Wi-Fi standard requires clients to also support the 802.11ax Wi-Fi standard

4. 1000Mbps Internet speed requires compatible service plans and requirements.

5. Saving clients' battery power requires clients to also support the 802.11ax Wi-Fi standard.Actual power reduction may vary as a result of network conditions, client limitations, and environmental factors.

6. Latency improvement requires that the AP and all clients support OFDMA.

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