

Product specification

FWR-AX3000-SM



Product overview

The FWR-AX3000-SM is a wireless dual-band WiFi6 router with a transmission rate of 3000Mbps and a dual-core CPU with a main frequency of 1.3GHZ. It supports the latest 802.11ax WiFi technology and provides a speed of up to 574+2402Mbps, which is 2.5 times that of the ordinary WiFi5. Synchronous dual-band technology avoids interference, provides users with faster downloads, smoother video and online gaming experience, and doubles as an 802.11b/g/a/n/ac/ax hybrid device. It also uses MIMO wireless signal multi-channel technology, four-way wireless transmission and receiving at the same time, but also supports EasyMesh networking, to meet the multi-room, duplex and other large apartment, small multi-office and other wireless coverage, so that users really get rid of the cable bondage, enjoy the wireless networking experience in any corner. Compatible with all major smartphones, tablets, PCS and other digital products, making networking smoother and more stable.

Product characteristics

- Provides one 10/100M /1000M Ethernet (WAN) interface
- Provides three 10/100M /1000M adaptive Ethernet (LAN) interfaces and supports automatic MDI/MDIX
- Support automatic adjustment of wireless transmission rate
- Support 2.4G and 5G dual-band bands
- Supports WPA-PSK,WPA2-PSK,WPA /WPA2-PSK,WPA3-SAE,WPA2-PSK/WPA3-SAE encryption and security mechanisms to ensure the security of data transmitted in wireless networks
- Six external non-removable high-gain antennas
- Support SSID broadcast control, effectively prevent SSID broadcast leakage
- Built-in network address translation (NAT) function
- WEB software upgrade, free use of the router's latest software
- Support Web management, easy installation wizard
- Support WMM to make your voice and video smoother
- Support VPN transparent transmission, UPnP, DMZ and other functions

- • Supports the trunk function

Product specification:

Hardware feature	
Protocol standard	IEEE 802.11b、IEEE 802.11g、IEEE 802.11a、IEEE 802.11n、IEEE 802.11ac、IEEE 802.11ax、IEEE 802.3、IEEE 802.3u、IEEE 802.3x
Port	1*10/100M/1000M WAN port, supporting Auto MDI/MDIX 3*10/100M/1000M LAN ports, supporting Auto MDI/MDIX
Button	MESH (Press 1 second) Reset (Press 5 second)
LED	Three-color light design: green, red, blue
Antenna	Six external omnidirectional 5dbi gain non-detachable antennas
Power	DC 12V/1A
Wireless feature	
Basic function	➤ Wireless Enabled/Disabled
	➤ SSID Broadcast is enabled or disabled
	➤ Channel selection: 1 ~ 13 (2.4G); 36 ~ 48 + 52~64+149 ~ 165 (5GHz)
	➤ 2.4G带宽: 20MHz、40MHz ➤ 5G带宽: 20MHz、40MHz、80MHz、160MHz
2.4G Frequency band	2412~2472MHz
5G Frequency band	5180~5240MHz、5250~5350MHz、5745MHz~5825MHz
Wireless transmission speed	2.4G 2T3R Up to 574Mbps 5G 2T3R up to 2402Mbps

Transmission power	<p>2.4G transmission power:</p> <p>802.11b 22±1.5dBm</p> <p>802.11g 21±1.5dBm</p> <p>802.11n20 19±1.5dBm</p> <p>802.11n40 19±1.5dBm</p> <p>802.11ac40 17.5±1.5dBm</p> <p>802.11ax40 17.5±1.5dBm</p> <p>5G transmission power:</p> <p>802.11a 19±1.5dBm</p> <p>802.11n20 18.5±1.5dBm</p> <p>802.11n40 18.5±1.5dBm</p> <p>802.11ac80 17.5±1.5dBm</p> <p>802.11ax80 16.5±1.5dBm</p> <p>802.11ax160 16.5±1.5dBm</p>
Working mode	<p>AP</p> <p>Router</p> <p>Repeater</p>
Wireless security	<p>Wireless MAC address filtering</p> <p>WPA-PSK、WPA2-PSK、WPA3-SAE、WPA/WPA2-PSK、WPA2-PSK/WPA3-SAE</p> <p>WPS (PBC)</p>
Other features	<ul style="list-style-type: none"> ➤ Wireless host status display ➤ Wireless site scanning ➤ Seamless roaming between nodes ➤ Seamless roaming between frequency

	bands
WiFi Settings	WiFi basic Settings (dual frequency, switch, wireless mode, SSID, PWD, encryption algorithm, channel, bandwidth, power regulation) Advanced Settings (Wireless client isolation, 802.11h, WMM multimedia acceleration) Multiple SSID (SSID, encryption mode, PWD, encryption algorithm)
Mesh characteristics	Mesh Enabled/Disabled, role selection, networking mode, and mesh_top
Software feature	
Network Settings	Supports the connection types of WAN interfaces: PPPoE, dynamic IP(DHCP), and static IP MAC address cloning, IPV6 Settings, Radvd Settings, IPTV Settings, IGMP Settings
LAN setup	DHCP Server Settings Management IP Settings
Virtual server	Firewall Settings, port forwarding, UPnP, DMZ
Advanced Settings	Traffic statistics, DDNS Settings, Qos Settings, VPN Settings, anti-fouling
System management	System status, Time Settings, Password management, Configuration management, firmware upgrade, scheduled restart, and system logs
System tool	Traffic statistics System log Time zone setting Local WEB management control configuration File import and export

	Web software upgrade
Others	
Dimension	226 * 133 * 50mm
Working environment	Operating temperature: 0°C to 40°C
	Storage temperature: -40°C to 70°C
	Operating humidity: 10% to 90%RH non-condensing
	Storage humidity: 5% to 90%RH non-condensing