

Overview

AX3000 is a portable router using Wi-Fi 6 protocol. It is powered by MT7981B 1.3GHz dual-core processor with 160MHz support, which provides excellent improvement in wireless rate and signal strength. It can be used for multi-device connectivity in the home, and the portable and compact design also meets the needs of optimized network for travel.

Featuring advanced WiFi 6 technology, Beamforming to enhance coverage and BSS Coloring to reduce network congestion, 160MHz doubles the bandwidth channel compared to 80MHz for faster network speeds and a greater number of device connections.

The AX3000's Wi-Fi 6 speeds allow families to watch 4K video on multiple devices with ease and without data buffering interruptions.

Hardware Description

MT7981B main chip, main frequency up to 1.3GHZ; equipped with independent MT7976CN WIFI6 chip, 2.5G network port RTL8221B chip

High-speed 1G DDR4, 8GB EMMC;

1LAN 2500 Mbps+1WAN 1000 Mbps adaptive network port;

Support "one key flash mode", long press reset button to enter recovery mode;

Support Type-C power interface

Support USB3.0 interface

Features



Appearance





Application scenarios



mobile office



Meeting



Shopping



game

Technical Specifications

WH3000	Hardware Specifications	
Hardware Specifications	MT7981B+MT7976CN+RTL8221B Dual Core 1.3GHZ DDR4 1GB 8GB EMMC (Optional 128G)
WIFI Chip	MT7976CN IEEE 802.11n/g/b/a/ac/ax,Max. 3000Mbps
Protocol Standards	IEEE802.11n/g/b/a/ac/ax,IEEE802.3/802.3u
Wireless Rate	574Mbps (2.4GHz)+2402Mbps (5GHz)
Operating Frequency Bands	2.4GHz 5.8GHz
output power	11n：17dBm±1dBm 11g: 17dBm±1dBm 11b: 19dBm±1dBm 11a: 19dBm±1dBm 11ac: 18dBm±1dBm 11AX: 19dBm±1dBm
receiver sensitivity	11N HT20 MCS7: -72dBm 11N HT40 MCS7: -69dBm 11G 54Mbps: -74dBm 11B 11Mbps: -86dBm 11A 54Mbps: -73dBm 11AC VHT20 MCS8: -66dBm 11AX VHT20 MCS8: -66dBm
antennae	2 * Built in Wi Fi antenna
interface	1*10/100/1000/2500Mbps LAN Port, Auto MDI/MDIX. 1*10/100/1000Mbps WAN Port, Auto MDI/MDIX. 1*USB 3.0 Interface 1*Type-C power connector 1*Reset button 1*Mode button
LED Lights	WIFI（Dual color LED）
Pushbuttons	1* Reset button
Power Adapter	Type-C, 5V/3A
Maximum Power Consumption	< 5W
Color	White（Can be customized）
Accessories and Packaging	

WH3000	Software Specifications	
Factory Default Settings	IP Address: 192.168.1.1 User/Password: root/password
WAN Access Mode	PPPoE, Dynamic IP, Static IP
Operation Mode	Router (customizable to add AP mode);
DHCP server	DHCP Server Client List. Static address assignment.
Virtual Servers	Port forwarding. DMZ hosting.
Supported Systems	Original SDK, openwrt
Security Settings	Wireless encryption with support for WEP, WPA, WPA2 and other secure encryption modes
DDNS	Support
VPN	Support
WEB Theme Switching	Support
Bandwidth Control	Support
Static Routing	Support
System Log	Support
Other useful functions	Configuration file import and export Network software upgrade…
WH3000	Other specifications	
working environment	Operating temperature: -20° C to 70° C. Storage temperature: -40° C to 70° C. Operating Humidity: 10% to 90%RH non-condensing. Storage Humidity: 5% to 90%RH non-condensing.