4G dual mode router
WS3006
AX3000 4G Wi-Fi systems

Overview

The 4G WiFi6 router is based on a new embedded platform that meets the growing demands of mobile devices。

The 4G WiFi6 router is NSA/SA dual-mode compatible for all network types worldwide, which means you can enjoy super-fast broadband.

Plug and play to enable connectivity anytime, anywhere, and enjoy ultra-fast broadband connectivity anytime, anywhere.

4G WiFi6 routers bring new ways for you to freely and easily experience VR/AR/4K/8K streaming. Built in 802.11ax (Wi Fi 6) technology

The 4G WiFi6 router is equipped with 802.11ax (Wi Fi 6) technology, and a single 4G WiFi6 router can provide greater wireless coverage and bandwidth. Meanwhile, 4G WiFi6 routers can also bring higher security and better network performance.

Hardware Description

Using MT7981B main chip, with a main frequency of up to 1.3GHz; Equipped with an independent MT7976CN WIFI6 chip

High speed 1GB DDR4，256MB Nand Flash

1 WAN 2.5G adaptive network port,

3LAN 1000 Mbps adaptive network port;

Supports "one click flash mode", long press the reset button to enter recovery mode;

Built in 2 * M.2 5G module interfaces and 2 * PCIE 4G module interfaces for installing 4G and 5G cellular modules;

External 2 standard Nano SIM card slots, reserved for Esim design, can be customized according to customer needs

Supports USB 3.0 interface

Features

4G Mode Dual SIM

WiFi6 AX3000
2.4GHz 600Mbps
5.0-5.8GHz 2475Mbps

3 * Gigabit network port
1*2.5G Network port

USB 1*USB 3.0 port

Appearance

Application scenarios

mobile officing

Video Conference

Shopping mall

network game

Technical Specifications

WS3006｜Hardware specifications	
Hardware specifications	MT7981B+MT7976CN+MT7531AE dual-core 1.2GHZ DDR4 RAM 1GB SPI NAND flash 256MB
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 speed	Dual frequency concurrent, with a speed of up to 3000Mbps
Working frequency band	2.4GHz 5.8GHz
4G module	Optional 4G or 5G modules
4G Frequency band	LTE-FDD B1/B3/B5/B7/B8/B20
	LTE-TDD B38/ B40/B41
UMTS	WCDMA B1/B5/B8
GNSS	GPS/ GLONASS/ BDS/ Galileo/ QZSS
LTE WCDMA	Download 150Mbps; Upload 50 Mbps Download 42 Mbps; Upload 5.76 Mbps
Output power	11n：17dBm±1dBm 11g：17dBm±1dBm 11b：19dBm±1dBm 11a：19dBm±1dBm 11ac：18dBm±1dBm 11AX：19dBm±1dBm
receiving 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
Antenna	5 x 7dbi High-gain all-directional wifi antenna、 4 x 7dbi High-gain all-directional 4G antenna

Interface	1*2.5G WAN Port, automatic MDI / MDIX, with LED indicator; 3 * 10 / 100M / 1000M LAN port, automatic MDI / MDIX, with LED, indicator light 1 * USB 3.0 interface 2 * PCI-E module interface 2 * M.2 module interface 2 * Nano SIM card slot (optional ESIM) 1 * Fan radiator
LED lamp	Power supply/WIFI/SIM1/SIM2/4G1/4G2
Button	1 Reset button
Power adapter	DC 12/3000mA
Maximum power consumption	< 24W
colour	Black
Accessories and packaging	Egg separating paper tray 32 * 21 * 6 cm * 1PCS Full box 43.1 * 28.5 * 34.8 10 pieces Power adapter 12V/3A * 1PCS Category 5 Ethernet cable * 1PCS

WS3006	Software specifications	
Factory default settings	IP address: 192.168.1.1 User / password: root / admin
Wide Area Network Access Mode	PPPoE、Dynamic IP, static IP
Operating mode	Router (customizable AP mode);
DHCP server	DHCP server Client list. Static address allocation
Virtual Server	Port forwarding. DMZ custody. SD-WAN.
Supported systems	Original SDK、openwrt
security setting	Wireless encryption, supporting WEP, WPA, WPA2, and other secure encryption modes
DDNS	support
VPN	support
WEB Theme	support

Switching	
Bandwidth Control	support
static	support
system log	support
Other practical features	Importing and exporting configuration files Network software upgrade ...
WS3006	Other specifications	
work environment	Working temperature: -20 ℃ to 70 ℃. Storage temperature: -40 ° C to 70 ° C. Working humidity: 10% to 90% RH without condensation. Storage humidity: 5% to 90% RH without condensation.