
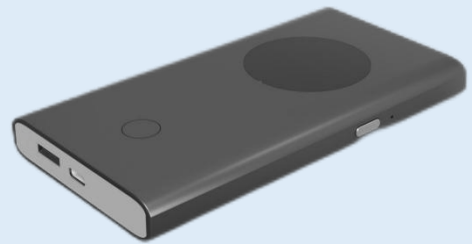
 5G NR

 UPnP

 Cost effective

 WiFi6



5G MiFi

MA510 Product Introduction

MA510 is a portable broadband wireless device launched by Wuhan Data Technology Co., Ltd. It integrates 5G baseband, modem, router, and WiFi access point functions. The internal 5G chip enables connection to 5G networks for upstream communication, while downstream communication is facilitated through the WiFi chip, connecting other WiFi terminals. The device also performs routing functions and converts underlying protocols, allowing WiFi terminals

Product Overview

MA510 is a portable wireless router that provides fast and reliable Internet connection through 5G network. The whole machine adopts domestically produced high-cost-effective 5G chip, supports 5G and LTE access in uplink, and supports WiFi access in downlink. In the area covered by 5G network signal, you can surf the Internet by plugging in the power. The product is small and light, easy to carry, and users can have their own mobile hotspot anytime and anywhere, and share the network connection with home, office or other devices.



Product Highlights

■ Plug-and-play Convenience

- ✧ Supports plug-and-play for instant setup with no complex configurations. Simply power on, activate the SIM card, and start using.

■ Compact Portability

- ✧ Compact and portable, ideal for travel, business trips, and outdoor use, offering unrestricted mobile internet.

■ Advanced WiFi6 Technology

- ✧ Supports WiFi 6 for improved gaming and streaming performance, with 30% faster speeds compared to WiFi 5.
- ✧ Uses Target Wake Time (TWT) technology to reduce power consumption by approximately 30% while enabling concurrent user transmissions, enhancing network performance.

■ Seamless Network Connectivity

- ✧ Combines 5G and WiFi networks for seamless internet access anywhere, free from wired constraints.

■ Modern Aesthetic Design

- ✧ Sleek design that's visually appealing and meets modern aesthetic standards.

Product Specification

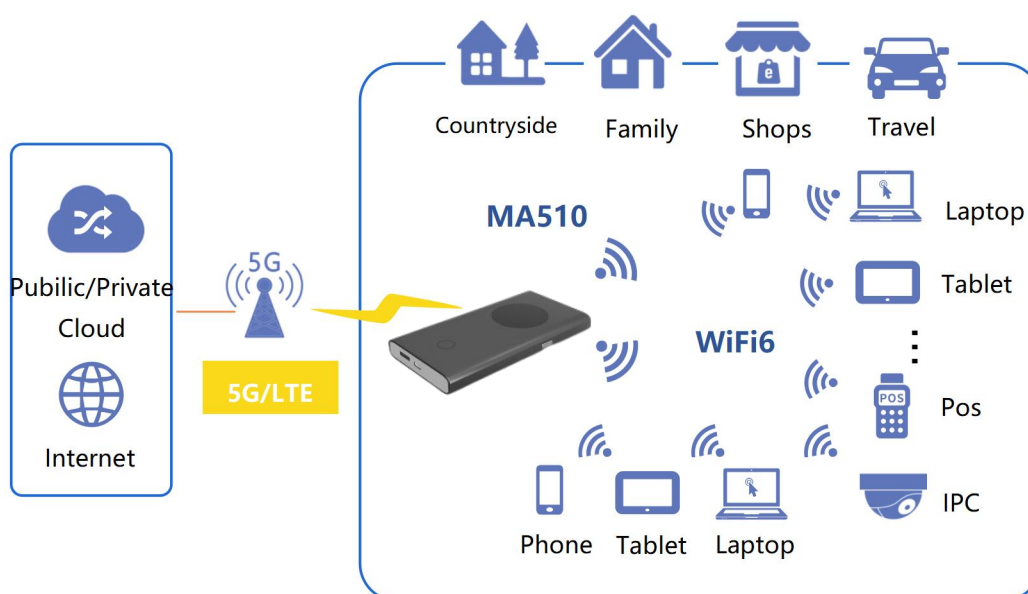
Hardware specifications	
System parameters	
5G chips	Unisoc V510
Memory	512MB
Flash	256MB
Interface indicators	
USB interface	Type C USB power supply/Internet access
RF parameters	
Cellular frequency bands	5G NR : N1/N8/N28/N41/N78 LTE-FDD:B1/B3/B5/B8 LTE-TDD:B34/B38/B39/B40/B41 WCDMA:B1/B8
5G Antenna	4 built-in antennas
WiFi Protocols	802.11a/b/g/n/ac/ax 2*2 MIMO
Wi-Fi frequency band	2.4GHZ or 5GHZ, dual-band single-transmitter
WiFi Antenna	2 built-in antennas
Theoretical Wi-Fi speed	5GHZ: 1200Mbps (or 900Mbps optional); or 2.4GHZ: 600Mbps (or 300Mbps optional) 2.4GZH and 5GHZ channels, switchable by software or keystroke
Appearance parameters	
Equipment size	141mm x 74.5mm x 15mm

Equipment material	ABS (Plastic)
equipment weight	220g
Device Color	black
Device buttons	1*Reset button 1*Power/WiFi switch multiplex button (press for 3 seconds to switch the power, press twice to switch the WiFi band)
Indicator Lights	5G indicator, 4G indicator, Wi-Fi indicator, battery indicator
Power Specifications	
Power supply mode	USB TypeC power supply, battery power supply
battery capacity	5000mAh
Charging batteries	USB Type C, 5V/2A
Environmental and packaging parameters	
Installation	USB interface plug and play
Operating temperature	-0~ 45°C
storage temperature	-45°C to 85°C
Working humidity	10%C to 95%, non-condensing
Storage humidity	10%C to 95%, non-condensing

Software Specifications	
5G Access	5G/LTE, automatic network search, APN, automatic reconnection, frequency lock, SIM card switching, PIN code management, traffic statistics
WiFi access	Support 802.11 a/b/g/n/ac/ax standards, channel adaptation, SSID modification, SSID hiding, WiFi sleep settings, WiFi terminal blacklist

	and whitelist, WPA/WPA2/WPA3 security encryption*
IP Application	IPv4 /IPv6 , ARP , DHCP Server , DNS, NAT,
Safety	Basic firewall, MAC filtering, DMZ , IP /Port filtering, virtual server
Device Management	Restart , restore to factory settings , log view , log management , local upgrade , support remote Fota upgrade , Ping test , Tracer t test , Nslookup test, SNTP

Networking Application



Application Scenario



Leisure



Home



Business Travel



Camping



Visitors



Street Shops



Outdoor Live streaming



Car Networking



Temporary Booth



Wuhan Datang Technology Co., Ltd.

Website address: www.megatower.com.cn

Copyright © Wuhan Datar Technology Co., Ltd. 2024. All rights reserved.

Disclaimer: Wuhan Datang Technology Co., Ltd. tries its best to provide accurate information in this document, but does not guarantee that the content of the document is free of technical errors and typographical errors. Therefore, our company does not assume any responsibility for inaccurate information in this document.

Our company reserves the right to modify the content of this document without notice or reminder.