M52 5G MiFi Product Manual

Enrich Your MBB&FWA connections
Your most reliable MBB&FWA Partner

WEWINS

WiFi 6

Service Provider

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5G

WiFi 5G

SMS 1

100%

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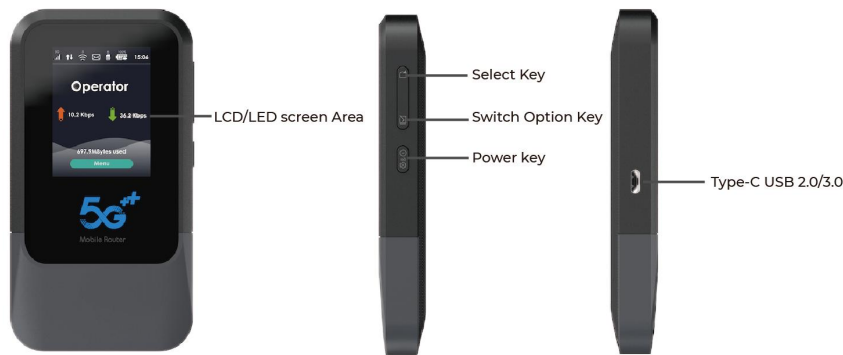Shenzhen Wewins Wireless Co., Ltd.

Product Overview

Wewins M52 is a high-performance 5G Mobile WiFi hotspot designed for professionals, enterprises, and mobile teams that require fast, stable, and flexible broadband connectivity anytime, anywhere.

Powered by the UNISOC V510 5G platform and enhanced with Wi-Fi 6 technology, the M52 delivers reliable 5G/4G access for up to 31 concurrent devices, making it ideal for business travel, remote work, field operations, temporary sites, and backup networking.

Featuring a 2.4-inch LCD display, intuitive physical keys, a removable 4000 mAh battery, and global SIM flexibility (Nano-SIM & optional eSIM), the M52 balances performance, portability, and ease of deployment in both consumer and enterprise environments.

Key Features

LCD/LED screen Area

Select Key

Switch Option Key

Power key

Type-C USB 2.0/3.0

Ultra-Fast 5G Connectivity

Supports 5G NR SA/NSA with peak download speeds up to 2.6 Gbps, ensuring smooth HD streaming, real-time collaboration, and high-speed data access for demanding mobile scenarios.

Wi-Fi 6 Sharing for Multi-Device Environments

Dual-band Wi-Fi 6 (2.4 GHz / 5 GHz) delivers higher throughput, lower latency, and improved stability when multiple devices are connected simultaneously.

Supports Up to 31 Concurrent Devices

Enables laptops, smartphones, tablets, cameras, POS terminals, and IoT devices to share one secure 5G connection without performance degradation.

4000 mAh Removable Battery for All-Day Use

Designed for extended mobile operation, with support for USB power input for continuous desktop or fixed-location usage.

2.4-Inch LCD Display for Real-Time Monitoring

Provides clear visibility of network status, signal strength, battery level, connected devices, and Wi-Fi configuration at a glance.

USB Tethering – True Plug-and-Play

Supports Windows, macOS, and Linux with no driver installation required, enabling instant wired connectivity via USB Type-C.

Advanced Security & Network Management

Includes WPA3 encryption, MAC filtering, AP isolation, firewall rules, VPN client support, port forwarding, and web-based management via 192.168.8.1.

SMS & Phonebook Support

Send and receive SMS directly from the device and manage up to 500 contacts, supporting enterprise workflows and field communication needs.

Global SIM Flexibility

Supports Nano-SIM and optional eSIM, ideal for international roaming, multi-region deployment, or carrier switching.

Technical Specifications

Hardware

Item	Description
Memory	4 Gb DDR + 4 Gb NAND (embedded)
Display	2.4-inch TFT LCD (320 × 240)
Battery	4000 mAh removable Li-ion battery
SIM	Nano-SIM (4FF), optional eSIM
USB Port	Type-C (USB 2.0, data supported)
Material	PC + ABS
Dimensions	131 × 70 × 18.3 mm
Weight	~180 g

Cellular Network

Frequency bands can be customized to meet regional and operator requirements.

- 5G NR (SA/NSA)

n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n66/n77/n78

DL 4×4 MIMO / UL 2×2 MIMO

- Peak Speed:

NSA: DL 2.6 Gbps / UL 650 Mbps

SA: DL 2.0 Gbps / UL 1.0 Gbps

- 4G LTE

B1 / 2 / 3 / 4 / 5 / 7 / 8 / 20 / 28 / 38 / 40 / 41 / 66

- 3G WCDMA

B1 / 2 / 5 / 8

Operating Conditions

- Operating Temperature: 0°C – 40°C
- Storage Temperature: 0°C – 40°C
- Humidity: 5% – 95% RH (non-condensing)

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Wi-Fi

- Standards: IEEE 802.11 a/b/g/n/ac/ax
- Bands: 2.4 GHz / 5 GHz
- Max Connections: 31 devices
- Security: WPA2-PSK, WPA3-SAE, WPA2/WPA3 mixed

Software & Functions

- Web UI: http://192.168.8.1
- Auto / manual network search
- Traffic statistics
- VPN client (PPTP / L2TP / L2TP-IPSec)
- Firewall: IP/Port filtering, DMZ, UPnP
- SMS inbox / outbox / drafts
- Phonebook (up to 500 contacts)
- Guest Wi-Fi
- Wi-Fi extender mode
- DHCP / DNS configuration
- FOTA (online firmware upgrade)

Quick Start Guide

1. Insert SIM Card

Open the back cover, remove the battery, and insert a Nano-SIM card.

2. Install the Battery

Align and secure the removable 4000 mAh battery.

3. Power On

Press and hold the Power key for approximately 6 seconds.

4. Connect to Wi-Fi

Use the SSID and Wi-Fi key printed on the device label.

5. Access Web Management

Visit http://192.168.8.1

Default login: admin / admin

Packing List

Item	Quantity	Description
M52 5G MiFi Device	1	Main device
Removable Battery	1	4000 mAh Li-ion battery
USB Type-C Cable	1	For charging and data transfer
Quick Start Guide	1	User instructions
Safety Information	1	Safety & compliance notice
Warranty Card	1	Warranty information

Certifications

- CE
- UN38.3 (Battery)
- Local certifications available upon request

Scan to Learn More

Company Website

Product Details

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in Shenzhen Wewins Wireless Co.,LTD