

M54 – Cat6 MiFi Product Manual

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



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Product Overview

The Wewins M54 is a high-performance LTE Cat6 Mobile Wi-Fi hotspot designed for fast, stable, and portable connectivity. It combines advanced 4G LTE Cat6 aggregation with dual-band Wi-Fi 5 (802.11a/b/g/n/ac), enabling users to enjoy reliable broadband on the go.

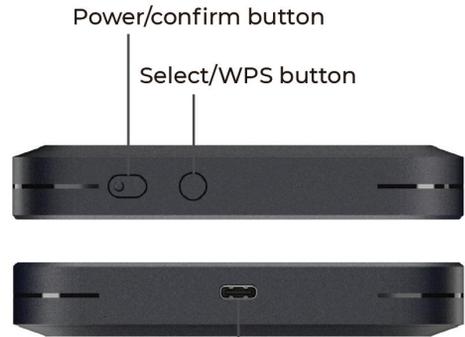
With support for Wi-Fi + USB tethering, MicroSD file sharing, removable battery, TR069 remote management, advanced security, and optional eSIM, the M54 is ideal for travelers, small teams, field workers, and enterprise mobility applications.



Key Features



LCD indicator



Power/confirm button

Select/WPS button

Type C-USB



High-Speed LTE Cat6

- Supports LTE Cat6 with downlink up to 300 Mbps and uplink up to 50 Mbps
- Supports LTE carrier aggregation for enhanced bandwidth
- Compatible with wide global LTE/3G/GSM bands (EU & LATAM versions)



Dual-Band Wi-Fi 5 (802.11ac)

- Supports 2.4 GHz + 5 GHz dual-band Wi-Fi
- Peak Wi-Fi rate up to 1200 Mbps
- Connect up to 32 devices simultaneously
- Supports WPA2/WPA3 security and WPS (PBC/PIN)



USB Tethering for Laptops & PCs

- Connect via USB to share Internet through RNDIS/ECM
- No drivers required for Windows, macOS, Linux



Flexible Storage & File Sharing

- Supports MicroSD card (up to 32 GB)
- Web-based file browsing, upload/download, remote access modes



Removable 4000 mAh Battery

- Long battery life for mobile usage
- Supports charging via USB adapter, PC, or power bank



Web-Based Device Management

- Configure network, Wi-Fi, security, and system settings via 192.168.8.1
- Manage connected devices, SMS, contacts, SD card, APN, firmware, etc



Advanced Security & Router Functions

- IP/URL/Port filtering
- Port forwarding / DMZ / UPnP / DDNS
- DHCP server & LAN management
- SIM PIN management



Optional eSIM

- Supports eSIM based on operator requirement or ODM customization

Technical Specifications

Hardware

Item	Description
Network Standard	LTE Cat6 / WCDMA / GSM
Wi-Fi Standard	802.11a/b/g/n/ac (2.4 GHz & 5 GHz)
Max Wi-Fi Users	32 devices
External Ports	1 × USB Type-C 1 × Nano-SIM slot 1 × MicroSD slot
Buttons	Power/Confirm × 1 WPS/Scroll × 1 Reset (hidden) × 1
Indicators	Signal, Wi-Fi/WPS, SMS, Battery
Battery	Removable Li-ion 4000 mAh
Max Power Consumption	10W
Power Input	5V / 2A (USB Type-C)
Dimensions	110 × 66 × 18.5 mm
Material	PC + ABS
Operating Temperature	0°C to 40°C
Storage Temperature	0°C to 40°C
Humidity	5%–95% (non-condensing)

Supported Bands

EU Version

LTE: B1/3/7/8/20/28/38/40/41 (120 MHz)

WCDMA: B1/B8

GSM: 900/1800 MHz

LATAM Version

LTE: B2/4/5/7/26/28/38/66/71

WCDMA: B2/4/5

GSM: 850/1900 MHz

Note: Additional customized band combinations available upon request.

LTE/3G/2G Performance

Technology	Downlink	Uplink
LTE FDD Cat6	300 Mbps	50 Mbps
LTE TDD	220 Mbps	10 Mbps
DC-HSPA+	42.2 Mbps	5.76 Mbps
HSPA+	21.1 Mbps	5.76 Mbps
WCDMA PS	384 Kbps	—
EDGE	296 Kbps	236.8 Kbps
GPRS	85 Kbps	—

Wi-Fi Specifications

Item	Description
Wi-Fi Standard	802.11a/b/g/n/ac
Frequency	2.4 GHz & 5 GHz
Wi-Fi Speed	Up to 1200 Mbps
Security	Disable / WEP / WPA2 / WPA3 / WPA2-WPA mixed
WPS	PBC / PIN
MAC Control	Whitelist & blacklist (up to 32 entries)

Software Specifications (WebUI)

Network

- Auto/manual network search
- APN profile management
- Auto / LTE only / WCDMA only / GSM only
- Traffic statistics & history

Router Functions

- NAT, DHCP server, ARP, IPv4/IPv6
- DNS relay: auto/manual
- Default gateway 192.168.8.1 (customizable)

Wi-Fi Management

- SSID, password, security modes
- Channel settings
- Wi-Fi enable/disable
- WPS (PBC/PIN)

Security

- IP/Port/URL filtering
- Port forwarding
- DMZ
- UPnP
- DDNS

USB

- USB tethering via RNDIS/ECM
- Supports Windows/macOS/Linux

SMS & Phonebook

- Support inbox/outbox/drafts
- Send to multiple recipients
- Up to 500 contacts
- Groups (up to 10)

SD Card (WebDisk)

- Browse / upload / download
- Create / delete / rename folders
- Remote access mode available
- Supports SD cards up to 32 GB

Firmware Update

- FOTA
- Local upgrade

SIM Management

- PIN enable/disable
- Change PIN
- PUK reset

Application Scenarios

- Mobile office / remote work
- Outdoor & travel networking
- Retail, POS terminals, logistics
- Backup connectivity during broadband downtime
- Home and personal hotspot
- Shared connectivity for small groups (up to 32 users)

Packing List

Item	Qty	Remarks
M54 MiFi Device	1	—
USB Cable	1	USB-A to Type-C (30cm)
Battery	1	4000 mAh Li-ion
User Manual	1	—
Warranty Card	1	—
Gift Box	1	—
Charger	Optional	5V/1A

Certifications

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

Scan to Learn More



Company Website



Product Details

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