



MIFI

User Manual

V 1.0.0

Revision History

Date	Version	Declaration	Author
2025-08-12	V1.0.0	Initial version	Jonas

Product Applicability Statement

This user manual explains how to configure the following devices:

- MF101-1U

Contents

Chapter 1 Device Overview	1
1.1 Device Overview.....	1
1.2 Device Key Features	1
Chapter 2 Exploring Your 5G MiFi	2
2.1 External Features Overview	2
2.2 Indicators Description.....	3
Chapter 3 Accessing the Internet.....	4
3.1 Preparing for the Data Terminal.....	4
3.2 Connectin the User Terminal.....	4
3.3 Login to the Data Terminal.....	4
Chapter 4 Configuring the Data Terminal.....	5
3.1 Configuring the Data Terminal	5
Note.....	7

Chapter 1 Device Overview

1.1 Device Overview

MF101-1U is a cost-effective, portable 5G MiFi device. It provides high-speed 5G connectivity anytime and anywhere within coverage areas, ideal for personal use, households, small businesses, and industry applications.

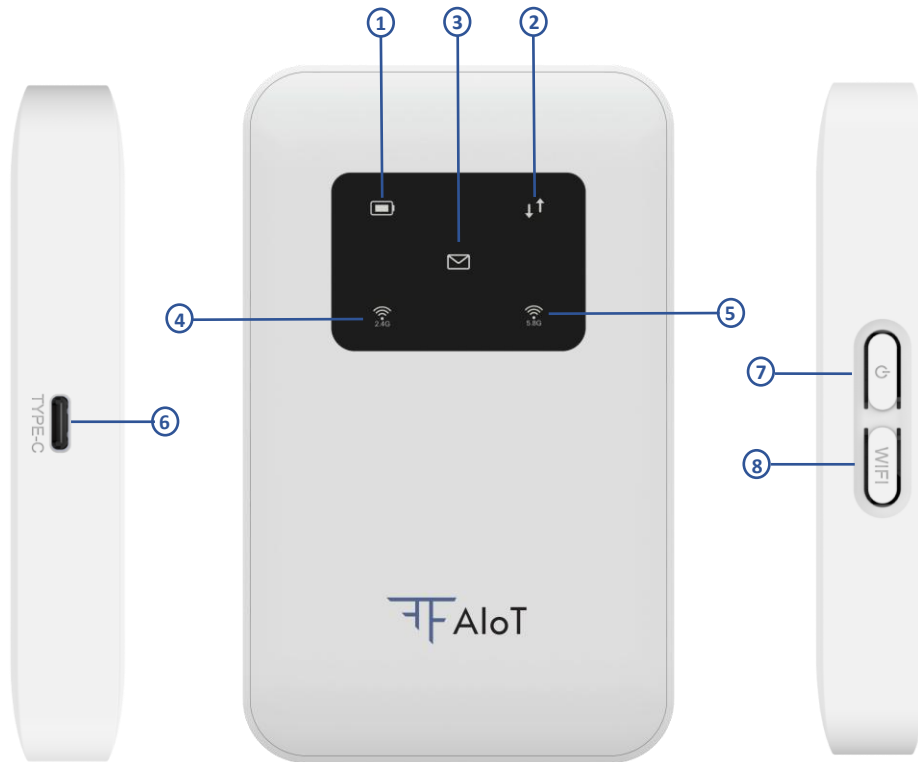


1.2 Device Key Features

- Supports **1 Nano SIM + 2 eSIMs** (single standby, depending on carrier support)
- Supports **Wi-Fi 6**, dual-band single network
- **Type-C connectivity** for internet access
- **Type-C fast charging** supported

Chapter 2 Exploring Your 5G MIFI

2.1 External Features Overview



Number	Describe
1	Battery Status Indicator
2	Network Data Indicator
3	SMS Indicator
4	Wi-Fi 2.4G Indicator
5	Wi-Fi 5.8G Indicator
6	Type-C Port

7	Power Button
8	Wi-Fi 2.4G / 5.8G Switch Button

Note: The reset button is accessible only after opening the battery back cover.

2.2 Indicators Description

Indicators	Status	Description
Network Data	Green	Good Network Quality
	Blue	Moderate Network Quality
LED	Red Blink	SIM Card Not Inserted
	Off	No Internet
WIFI 2.4G LED	Green	WIFI 2.4G on
	Off	WIFI 2.4G off
WIFI 5.8G LED	Green	WIFI 5.8G on
	Off	WIFI 5.8G off
SMS LED	On	Unread messages
	Off	No unread messages
Battery LED	Green	Battery level: 60%–100%
	Blue	Battery level: 10%–60%
	Red	Battery level: 0%–10%
	Blink	Battery Charging

All LEDs turn off when the device enters sleep or power-saving mode.

Chapter 3 Accessing the Internet

3.1 Preparing for the Data Terminal

Before accessing the Internet, check the following:

- Ensure the SIM card is valid and correctly inserted into the data terminal.
- The **Data Indicator** should be on, preferably showing **green**.
- The **Wi-Fi Indicator** should be on and **green**.

3.2 Connecting the User Terminal

This product can connect to the user terminal via the **Type-C data port** or **Wi-Fi**.

Wi-Fi Connection (Manual Entry):

- Find the SSID and Wi-Fi password on the sticker inside the battery cover of the data terminal. Each unit has a unique SSID and password.
- On the user terminal, set the IP address acquisition mode to “**Obtain an IP address automatically**.”

3.3 Login to the Data Terminal

Set Your Computer's IP Address

- Configure the computer's IP address to be in the same subnet as the terminal, or set it to **Obtain an IP address automatically**.

Access the Web Management Page

- Once the computer has obtained an IP address, open a web browser and enter the IP address printed on the device's nameplate.
- Follow the on-screen prompts to enter the login username and password.
- The default username and password are printed on the device nameplate.

Recommended Browsers

For best performance, use one of the following browsers:

- Microsoft Edge
- Mozilla Firefox 5.0 or later
- Safari 6.0 or later
- Opera 40.0 or later
- Google Chrome 80.0 or later

Chapter 4 Configuring the Data Terminal

Terminal

4.1 Configuring the Data Terminal

Before configuring, ensure the data terminal is functioning properly and your computer is connected to it.

1. Access the Configuration Page

Log in to the data terminal's web management page to adjust settings.

2. Configuration Precautions

- Some parameters should only be modified according to your network operator's guidance.
- Incorrect configuration may result in loss of Internet connectivity.

3. Restoring Factory Settings

If the system becomes unresponsive or settings cause issues, press and hold the RESET button to restore factory defaults.

Main Menu	Sub Menu	Operating Instruction
Home	Network Status	View WAN antenna details and network parameters, including signal strength and network IP information.
System Status	WAN Status	Check mobile network status and the IP addresses obtained under each APN.
	DHCP	Review LAN-side DHCP status and the list of connected devices.
	2.4G Wi-Fi Status	Access 2.4G Wi-Fi network details and connected user information.
	5G Wi-Fi Status	Access 5G Wi-Fi network details and connected user information.
	Device Status	Monitor device operating status, memory usage, and other performance indicators.
Network Functions	Mobile Network Settings	Network search settings: configure network mode, dial-up settings, flight mode, and PLMN scanning.
	APN	Configure the dial-up Access Point Name (APN). This should be set according to

		your carrier's requirements. Changes may cause loss of connectivity and are not recommended without proper guidance.
WIFI Setting	2.4G WIFI Configuration	You can enable or disable the Wi-Fi function, and view or modify the Wi-Fi SSID, password, encryption type, and channel. Users can change the SSID, password, and encryption type of the device's Wi-Fi here. The channel number indicates the frequency channel currently in use. It can be changed manually, but non-professionals are advised not to modify it, as incorrect settings may cause the Wi-Fi to malfunction.
	5G WIFI Configuration	
Device Setting	DHCP Configuration	Set the IP address parameters for the LAN side.
	Routing Configuration	Configure static routing and other related parameters.
Firewall	Filtering Rules	<ul style="list-style-type: none"> ● Port Filtering: Set the ports to be filtered. ● IP Address Filtering: Set the IP addresses to be filtered. ● MAC Address Filtering: Set the MAC addresses to be filtered. ● Port Mapping: Configure port mapping. ● URL Filtering: Set the website addresses to be blocked. ● IP-MAC Binding: Bind specific IP addresses to MAC addresses.
System Setting	System Setting	<ul style="list-style-type: none"> ● Change Password: Modify the password for logging into the terminal configuration page. ● Restore Factory Settings: Reset the terminal to its factory default state. ● Time Settings: Configure the system time of the terminal.
	System Log	System debug information, for professional use and diagnostics.
	System Upgrade	Upgrade system files (requires professional operation).
	Network Tools	Ping/trace functions:
	Restart	Reboot the terminal.

Note

1. Do not install the SIM card while the device is powered on.
2. Operating temperature: **0–45°C**. Do not use the device outside this range.
3. When using a power adapter, ensure it supports the **PD protocol** and meets applicable safety standards.

Charging

- **Fast charging:** Use a PD-compatible charger to enable fast charging. The battery indicator blinks rapidly during fast charge mode.
- **Normal charging:** Using a standard USB charger charges at normal speed. The battery indicator blinks slowly.

High-Temperature Protection

- To protect the battery, the device activates high-temperature protection. Charging voltage is limited when battery temperature exceeds 45°C, and charging stops immediately above 55°C.
- If battery temperature exceeds 60°C, the device temporarily disables Wi-Fi and disconnects mobile networks (Wi-Fi and signal indicators turn off), preventing terminal devices from connecting to the internet.
- Once battery temperature returns to normal, charging and network functions resume automatically.

Device Status Indicators

- Press the power button briefly: indicator lights on = device is on; indicator lights off = device is off.
- Double-press the power button: Wi-Fi dual-band indicator switches, changing the Wi-Fi frequency.
- Press and hold the power button for 3 seconds to turn on: all indicators light for 1 second.
- Press and hold the power button for 3 seconds to turn off: all indicators except the signal light blink 3 times.

Automatic Shutdown Charging Mode

- If the device is powered on and connected to a charger, but no terminal connects within 30 minutes (i.e., no devices connected to Wi-Fi or minimal traffic), it will automatically enter shutdown charging mode.
- In shutdown charging mode, long-press the power button for 3 seconds to turn the device on.
- Removing the charger in shutdown charging mode will power off the device automatically.
- When connected to a computer via USB (with the computer awake), the device will not enter shutdown charging mode automatically.