

FF AIoT

5G MIFI

MF101-U1



Introduction

MF101-U1 is a cost-effective, portable 5G MiFi device designed for personal, home, and small business use. It features LED indicators, dual-band Wi-Fi 6 (AX600), and a Type-C port for charging or gigabit wired access. Based on the Unisoc 5G platform, it supports major LTE/NR bands, removable 3000mAh battery, eSIM via Bluetooth, and web-based management functions.

Product Specification

Cellular Specification

Product	MF101-U1
Items	Contents
Frequency Band	5G NR : N1/N3/N5/N8/N28/N41/N78 LTE: B1/B3/B5/B8/B28/B34/B39/B40/B41
Theoretical Maximum Bandwidth	NR_SA: 2Gbps (DL)/500Mbps (UL) LTE: 200Mbps (DL)/150Mbps (UL)



Hardware	
Product	MF101-U1
Items	Contents
Chipset	Unisoc V510
Flash	2GB
LPDDR4x	4GB
Bluetooth	
Items	Contents
Bluetooth	BLE 5.3, supports eSIM provisioning via Bluetooth.
Interfaces	
Items	Contents
Buttons	<p>PWR Button:</p> <ul style="list-style-type: none"> Long press for 3 seconds to power on/off, short press to wake the device <p>WiFi Button:</p> <ul style="list-style-type: none"> Long press for 3 seconds to switch Wi-Fi bands <p>RST Button:</p> <ul style="list-style-type: none"> Long press for 5 seconds to restore factory settings
Indicator	<p>Battery Indicator:</p> <ul style="list-style-type: none"> Green – High or full battery Blue – Medium battery level Red – Low battery Blinking – Charging <p>Signal Indicator:</p> <ul style="list-style-type: none"> Green – Strong signal Red – Good signal Off – Weak signal Red (blinking) – No SIM card <p>SMS Indicator:</p> <ul style="list-style-type: none"> Green – Unread messages Off – No unread messages <p>Wi-Fi 2.4G Indicator:</p> <ul style="list-style-type: none"> Green – Wi-Fi 2.4G is ON Off – Wi-Fi 2.4G is OFF <p>Wi-Fi 5G Indicator:</p> <ul style="list-style-type: none"> Green – Wi-Fi 5G is ON Off – Wi-Fi 5G is OFF
SIM Card	1 * Nano(1.8V or 3V), eSIM
USB	1 * Type-C: USB 3.0, backward compatible with USB 2.0
Type C	1 * Type-C port for charging, debugging, and firmware upgrade.
NFC	Optional

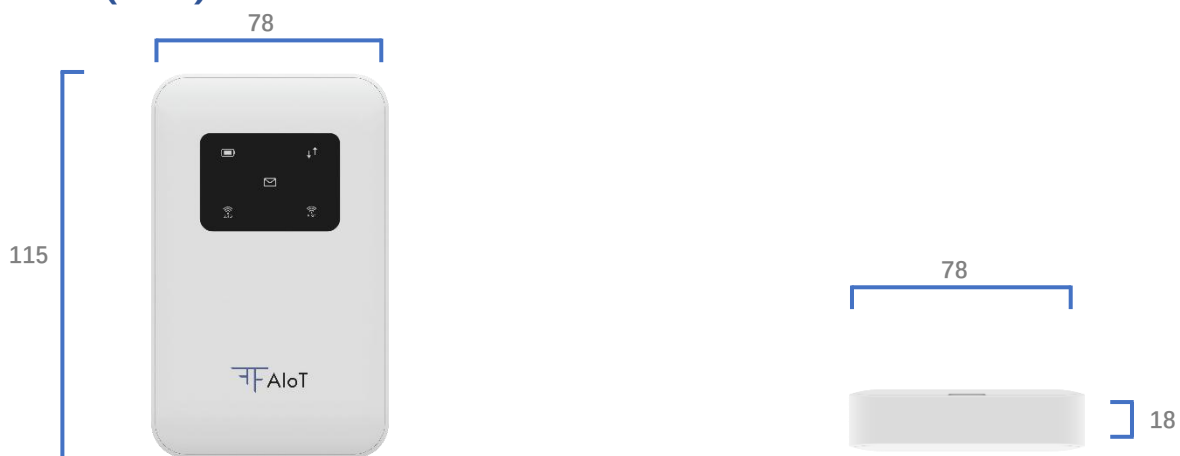
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WIFI Specification	
Items	Contents
Frequency	2.4G / 5G (DBSC) <i>Note: Wi-Fi 2.4G and Wi-Fi 5G cannot be enabled simultaneously on the device.</i>
WIFI Standard	802.11 a/b/g/n/ac/ax
WIFI Channel Bandwidth	20M/40M/80M
Peak Speed Rate	AX600
Output Power	14dBm±2dBm
WIFI Antenna Gain	3dBi
Number of Connected Users	12
Power	
Items	Contents
Battery	3.8V / 3000mAh
Power Consumption	<10W
Power Input	5V/3A, 9V/2A
Physical Properties	
Items	Contents
Dimensions	115*78*18mm
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Humidity	5% ~ 95%

Dimension (mm)



Order Information

Models	Description
MF101-U1	Cellular (5G NR), 2.4G/5G WIFI, SIM*1