

FF AiOT

5G MIFI

MF100-U1



Introduction

MF100-U1 is a cost-effective, portable 5G MiFi designed for personal, home, and small business use. It supports major LTE/NR bands with 1T4R MIMO, delivering gigabit-level downlink speeds. Featuring dual-band Wi-Fi 6 (AX600), it also offers optional NFC one-touch connection and supports NAT, DHCP, firewall, and VPN for secure and flexible wireless connectivity.

Product Specification

Cellular Specification

Product	MF100-U1
Items	Contents
Frequency Band	<p>5G NR : N1/ 3/ 5/ 7/ 8/ 20/ 28/ 38/ 40/ 41/ 75/ 76/ 77/ 78</p> <p>LTE-FDD: B1/ 3/ 5/ 7/ 8/ 20/ 28/ 32</p> <p>LTE-TDD: B38/ 40/ 41/ 42/ 43</p> <p>WCDMA : B1/ 5/ 8</p> <p>Remarks: Different modules support different network standards</p>
Theoretical Maximum Bandwidth	<p>NR_SA: 2.4Gbps (DL)/1Gbps (UL)</p> <p>NR_NSA: 3.4Gbps(DL)/600Mbps(UL)</p> <p>LTE: 1.6Gbps (DL)/200Mbps (UL)</p> <p>UMTS: 42Mbps (DL)/5.76Mbps (UL)</p>



Hardware	
Product	MF100-U1
Items	Contents
Chipset	Unisoc V510
Flash	2GB
LPDDR4x	4GB
Bluetooth(Optional)	
Items	Contents
Bluetooth	Supports eSIM provisioning via Bluetooth. Note: Bluetooth is an optional feature.
Interfaces	
Items	Contents
Buttons	<p>Power Button:</p> <ul style="list-style-type: none"> • Short press to wake the device (turn indicator on/off), • double-click to toggle Wi-Fi • long press for 3 seconds to power on/off.\ <p>Reset 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 • Yellow – Medium battery level • Red – Low battery • Blinking – Charging <p>Data Indicator:</p> <ul style="list-style-type: none"> • Green – Good signal quality • Yellow – Moderate signal quality • Off – Not registered on network • Red (blinking) – No SIM card inserted <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 5.8G Indicator:</p> <ul style="list-style-type: none"> • Green – Wi-Fi 5.8G is on • Off – Wi-Fi 5.8G is off <p>Note: When the device powers on, all indicators stay solid green for 2 seconds. During a system upgrade, all indicators blink green. If multiple indicators are blinking, they should blink in sync.</p>
SIM Card	1 * Nano(1.8V or 3V) 2 * eSIM
USB	Supports USB 2.0; when connected to a computer, it can be virtualized as a network interface.

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WIFI Specification	
Items	Contents
Frequency	2.4G / 5G (DBSC)
WIFI Standard	802.11 a/b/g/n/ac/ax
WIFI Channel Bandwidth	20M/40M/80M
Peak Throughput	AX600
Power	
Items	Contents
Battery	3.85V / 9000mAh
Battery Life	>12 hours
Power Consumption	<10W
Power Input	Built-in 3.85V / 9000mAh removable rechargeable lithium battery
Fast Charging	Supports PD fast charging
Charging Time	<7 hours
Physical Properties	
Items	Contents
Dimensions	155*78*17mm
Operating Temperature	0°C~45°C
Storage Temperature	-20°C~70°C
Humidity	5% ~ 95%

Dimension (mm)



Order Information

Models	Description
MF100-U1	Cellular (5G NR), 2.4G/5G WIFI, SIM*1