

SUNCOMM Smart 5G Wi-Fi

MFX65

Wireless and Borderless Connection



Overview

MFX65 5G Wi-Fi is a portable, broadband wireless device that functions as a modem, router and access point all in one.

An internal modem can access a single wireless signal, and an internal router can share the connection between multiple users and wireless devices.

Support for multiple users at the same time, including digital cameras, laptops, games and multimedia players, all Wi-Fi-enabled devices can access the Internal. 5G Wi-Fi can be used to set up specific networks and share network connections anywhere via cellular connections.

Plug in a 5G SIM card and convert the 5G signal to high-speed Wi-Fi so that non-5G devices can also enjoy 5G high-speed

Features



- 5G NR: DL/UL 4.0Gbps/900Mbps
- 5G ENDC: DL/UL 4.8Gbps/550Mbps



- 2.4GHz: 11b/g/n/ac/ax 2*2
- 5GHz: 11a/n/ac/ax 2*2



- Li-ion Battery 5000mAh



- TFT LCD
- 2.4 inch touch screen

Appearance



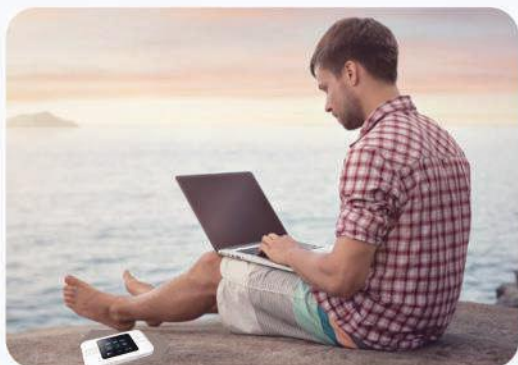
Application Scenarios



Business Trip



Entertainment



Outdoor Office



Conference

Specification

Basic Information

Dimension	About 133.5*71*17mm
Weight	About 200g
Color	White

Air Interface

Technical Standard	Release 16
Frequency	EA: 5G SA/NSA: N1/N3/N7/N8/N20/N28/N38/N40/N41/N71/N77/N78 LTE: FDD: B1/B3//B7/B8/B20/B28 TDD: B38/B40/B41/B42/B43

Wi-Fi	Protocol: 2.4GHz: 11b/g/n/ac/ax 2*2 5GHz: 11a/n/ac/ax 2*2 Channel: 2.4GHz: 1~13(Disable 1-4 channel if there has B40) 5GHz: CH36-CH64 CH100-CH140 Bandwidth: 2.4GHz: 20/40MHz 5GHz: 20/40/80MHz(160MHz)
-------	--

Performance

Maximum Data Throughput	5G NR: MAX DL 4.0Gbps MAX UL 900Mbps(120MH) 5G NR LTE ENDC: MAX DL 4.8Gbps MAX UL 550Mbps 4G: MAX DL 1.6Gbps MAX UL 200Mbps Wi-Fi: 2.4GHz MAX 720Mbps 5GHz MAX 2882Mbps
-------------------------	--

Hardware

Receive Diversity	Support
RF Chipset	Qualcomm Dual SDR735
BB Chipset	Qualcomm SDX65-0
Wi-Fi Chipset	WCN6856
Memory	8Gb+8Gb
USB Charging	Type-C
Battery	Li-ion Battery 5000mAh
USIM/SIM	4FF SIM card
LCD	TFT LCD, 2.4inch touch screen
Antenna	Default Internal Antenna, total 9:4G/5G x 7, Wi-Fi x 2
Buttons	POWER, Reset
ESD	ESD Protection circuit: Contact±8KV, Air±10KV

Software

SW Update	Local Update, Fota
Wi-Fi Security	OPEN & WPA2-PSK & WPA-PSK/WPA2-PSK & WPA3
IPv4/IPv6	Support
Firewall	Mac/IP address filter, Port forwarding, Wi-Fi Black/White list

Environment

Operating Temperature	Normal:0°C ~ 45°C (Performance will be limited when Temp >30°C)
Storage Temperature	-20°C ~ 60° C
Humidity	5%~ 95%