5G MiFi Router

Portable 5G Wi-Fi 6 device

A portable 5G Wi-Fi 6 hotspot. It connects to 5G networks and shares the data service with phones, laptops and other Wi-Fi devices; it also works as a broadband terminal for homes, offices and industrial parks.

It is small enough to carry on business trips, while travelling or for remote work, keeping users connected at high speed without the limits of a wired connection.

KEY FEATURES

- 2G, 3G, 4G and 5G, covering most of the world's frequency bands
- 5G Sub-6 SA and NSA: up to 2.77 Gbps down and 1.25 Gbps up (SA)
- Wi-Fi 6 AX1800, dual band, up to 16 devices
- 5000 mAh lithium battery
- 2.4-inch TFT LCD

APPLICATIONS

Home, Small office, Vehicle, Outdoors and travel

BASIC INFORMATION

Dimensions	130 × 70 × 21.5 mm
Weight	About 197 g
Colour	Black
Battery	5000 mAh lithium
Power	5 V / 2 A

AIR INTERFACE

Standards	5G Sub-6 SA / NSA, LTE, DC-HSPA+, HSPA+, HSPA, UMTS
3GPP	Release 15
LTE category	Cat 18
5G bands	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78, or n2/n5/n7/n12/n25/n66/n41/n48/n71/n77/n78 (optional)
LTE bands	B1/3/5/7/8/18/20/28/38/40/41/42/43, or B2/4/5/7/12/13/14/17/25/26/41/42/43/48/66/71 (optional)
WCDMA bands	B1/5/8, or B2/4/5 (optional)

WI-FI

Standard	IEEE 802.11 b/g/n/ac/ax, Wi-Fi 6, dual band single concurrent
Frequency	2400–2483.5 MHz / 5150–5850 MHz
Security	Open, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK, WPA3
Max. devices	16

PERFORMANCE

Peak data rates (theoretical)	Wi-Fi AX1800 (2.4 GHz 574 Mbps / 5 GHz 1201 Mbps); 5G SA 2.77 Gbps DL / 1.25 Gbps UL; 5G NSA 3.5 Gbps DL / 700 Mbps UL; LTE 1.2 Gbps DL / 150 Mbps UL; DC-HSPA+ 42 Mbps DL / 11.5 Mbps UL; WCDMA 384 kbps DL / 384 kbps UL
Transmitter power	Wi-Fi 802.11b 18 dBm, 802.11g 16 dBm, 802.11n 15 dBm, 802.11ac and 802.11ax 14 dBm @ 20/40 MHz, 12 dBm @ 80 MHz; 5G NR 23 ± 2 dBm (26 +2/−3 dBm on n40/n41/n77/n78, UL MIMO HPUE); LTE 23 ± 2 dBm; WCDMA/HSPA 24 +1/−3 dBm

HARDWARE

MIMO	Cellular 4 × 4, Wi-Fi 2 × 2
Cellular chipset	MediaTek MT6877 + MT6190
Wi-Fi chipset	MediaTek MT6635
Display	2.4-inch TFT LCD
SIM	1 × Nano SIM (4FF) + 1 × eSIM (5 × 6 mm, optional)
Buttons	Power, Home, reset hole
USB	USB 3.0 Type-C
Antennas	Cellular × 7, Wi-Fi × 2

SOFTWARE

Network	IPv4 / IPv6, DHCP, automatic APN match, network lock
Routing and security	Port forwarding, IP (port) and MAC filter, DMZ, UPnP
Messaging and SIM	SMS, USSD, SIM-OTA, phonebook
Management	Data statistics; FOTA and local upgrade
Supported OS	Windows XP / 7 / 8 / 10 / 11, macOS, Linux
Language	English by default, can be customised

ENVIRONMENT

Operating temperature	0 °C to +45 °C
Storage temperature	−20 °C to +70 °C
Humidity	5 % to 95 %

Specifications are taken from the product specification sheet and data rates are theoretical peaks. They can change without notice; confirm the details for your project with Commtec.