



ComFi C52 5G Wi-Fi 6 CPE

- Exquisite and Beautiful, Easy to Use
- Support 5G SA and NSA
- Support Wi-Fi 6
- Support eSIM(Optional)

Product Description

ComFi C52 is a cost-effective home 5G dual-band wireless router product that provides superior wireless access performance and comprehensive routing capabilities, bringing wireless broadband data services to end users. It accesses the 5G cellular network through the WIFI and LAN ports , and supports multiple mobile phones, laptops, tablets and other smart devices to access the Internet at the same time.

Product Specifications

Product Model	C52
Main Chip	UNISOC V510
Radio Frequency	UWE5623DU
Flash	2Gb
Memory	4GB
USIM Card	External SIM card: 1.8V/3.0V Nano SIM 4 FF Built-in ESIM card: support
Ethernet Port	RJ45×1 , 10/100/1000 Mbps adaptive
Reset Button	Reset button: Press and hold for 8 seconds when the router is powered on. Release the button when the light turns off. The router will automatically restart and restore to factory settings.
LED Indicators	Power light × 1, WLAN (WPS) light × 1, network connection × 1, 5G network indicator × 1
Size	Diameter 70 mm (D) * Height 150 mm (H)
Weight	About 130 grams
Work Environment	Normal operating temperature: 0°C to 45 °C; Storage temperature: -20 ° C to 60 °C; Humidity: 5% to 95% (no condensation)

Cellular Network Technical Specifications

Wireless Access Technology	NR5G(3GPP R15) support SA/NSA LTE support Cat12 WCDMA support 3GPP R9 DC-HSPA+	
Frequency Band Support	CN	EU
	NR5G:N1/8/28/41/78 FDD: B1/3/5/8 TDD: B34/38/39/40/41 UMTS: B1 / B8	NR5G:N1/3/5/7/8/20/28/38/41/78 FDD: B1/3/5/7/8/20/28 TDD: B34/38/39/40/41 UMTS: B1/5/8
Uplink and Downlink Peak Rates	NR5G : Max 2G bps (DL) / Max 450 Mbps (UL) LTE: Max 400Mbps (DL) / Max 150Mbps (UL) WCDMA: Max 42 Mbps (DL) / Max 11 Mbps (UL)	
LTE BAND	1.4/3/5/10/15/20 MHz, 3GPP compliant	
Modulation	QPSK/ 16-QAM/64-QAM, compliant with 3GPP	
	QPSK/ 16-QAM compliant with 3GPP	
Receiving Sensitivity	-95±3dBm@NR5G -101±1dBm@LTE -111±3dBm@WCDMA Meet 3GPP standards	
Maximum Output Power	NR5G : 23dBm± 2.7dB LTE FDD: 23dBm ± 2.7dB LTE TDD: 23dBm ± 2.7dB WCDMA: 23 dBm + 2.7 dB	
Antenna Type	Built-in antenna , meeting 4*4 MIMO requirements	

WiFi Technical Specifications

Protocol Standards	IEEE 802.11 a/ b/ g/ n / ac/ ax
Channel Bandwidth	20MHz, 40MHz
Frequency	2.4G Hz+5.8GHz
TX/RX	2T2R
MIMO Antennas	DL: 2X2

Peak Rate	802.11 a: 54Mbps 802.11b: 11Mbps 802.11g: 54Mbps 802.11n: 75/150 Mbps 802.11ac: 866Mbps 802.11ax: 286 Mbps/229 Mbps
Receiving Sensitivity	<-76dBm at the antenna port,QPSK,11Mbps,1024 Byte PSDU @ 802.11b <-65dBm at the antenna port,64QAM,54Mbps,1024 Byte PSDU @ 802.11g -64dBm at the antenna port,64QAM,65Mbps,4096 Byte PSDU @ 802.11n(HT20) <-61dBm at the antenna port,64QAM,135Mbps,4096 Byte PSDU@ 802.11n(HT40)
Maximum Transmit Power	1 7 dBm @ 802.11b 1 5 dBm @ 802.11g 1 4 dBm @ 802.11n 12dBm @ 802.11ax
Antenna Type	Internal antenna
Number of Users	Max 24

Basic Software Functions

Language Support	Chinese, English
IP Protocol	IPv4/IPv6
Short Message	Send and receive short messages/phone book
Dial Method	Automatic and manual dialing Network mode selection (Auto/5G NSA/5G SA / 4G only)
Band Lock	Lock frequency band search
WLAN	WPA encryption/WPA2 encryption/WPA-WPA2 mixed/WPA2-WPA3 mixed Advanced settings: Channel/Bandwidth/Maximum number of connections
APN	Automatically match APN function according to USIM Support APN management
NAT	Port forwarding, DMZ

Firewall	IP/MAC/URL filter, access control, blocking port scan/SYN Flood
Diagnosis	TCP Dump, Ping, Trace route
Statistics	LTE network status/connection time/system uptime/device status, DHCP client list, WiFi site list, LTE status, firewall status
Maintain	Statistics
System Log	Operation log, operation log, log management

Ordering Information

Product Model	Product specifications
ComFi C52 CN	Asia Pacific
ComFi C52 EU	Asia Pacific, Europe and Africa
Product Packaging	Product complete machine, power adapter , network cable, instruction manual

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