**MovingComm**
*Ease Your Networking*

## 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

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|---|---|
| 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<br>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<br>LTE support Cat12<br>WCDMA support 3GPP R9 DC-HSPA+ | |
|---|---|---|
| Frequency Band Support | CN | EU |
| | NR5G:N1/8/28/41/78<br>FDD: B1/3/5/8<br>TDD: B34/38/39/40/41<br>UMTS: B1 / B8 | NR5G:N1/3/5/7/8/20/28/38/41/78/79<br>FDD: B1/3/5/7/8/20/28<br>TDD: B34/38/39/40/41<br>UMTS: B1/5/8 |
| Uplink and Downlink Peak Rates | NR5G : Max 2G bps (DL) / Max 450 Mbps (UL)<br>LTE: Max 400Mbps (DL) / Max 150Mbps (UL)<br>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<br>-101±1dBm@LTE<br>-111±3dBm@WCDMA<br>Meet 3GPP standards | |
| Maximum Output Power | NR5G : 23dBm± 2.7dB<br>LTE FDD: 23dBm ± 2.7dB<br>LTE TDD: 23dBm ± 2.7dB<br>WCDMA: 2 3 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 |

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

## Basic Software Functions

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|---|---|
| Language Support | Chinese, English |
| IP Protocol | IPv4/IPv6 |
| Short Message | Send and receive short messages/phone book |
| Dial Method | Automatic and manual dialing<br>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<br>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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