MovingComm
Your Wireless Technology

ComFi C16

4G WiFi6 CPE

Product Specifications

- Robust Signal
- 4G Cat4 Compatible
- Supports WiFi6
- Supports eSIM

Product Description

The ComFi C16 is an economical home 4G LTE wireless router that offers outstanding wireless access performance and extensive routing capabilities, providing wireless broadband data and voice services to end users. It supports a wide range of devices such as mobile phones, laptops, tablets, and other smart devices to access the internet via 4G to WIFI and LAN port access to wide area network transmission.

Product Specifications

Product Model	C16
Main chip	ASR 1803
Radio Frequency	NV7643
capacity	256Mb + 128Mb
USIM card	External SIM card: 1.8V/3.0V Micro SIM (2FF) Built-in SIM card: supports up to three built-in SIM cards, supports SIM card switching
Ethernet port	RJ45×4, 10/100M adaptive
Reset button	Reset button: Press and hold for 8 seconds when the router is powered on. Release the button when the signal light turns off. The router will automatically restart and restore to factory settings.
LED indicators	Power × 1 Battery × 1 Wi Fi × 1 4G × 1
antenna	Internal Antenna
Battery	3000mAH Li-ion Backup Battery (Optional)
Power	5V2A
Dimensions	170mm (L) x 55mm (W) x 154mm (H)
Weight	Approx. 342g
Work Environment	Normal operating temperature: 0℃to 45℃; Storage temperature: -20℃ to 60℃; Humidity: 5% to 95% (no condensation)

4G/3G/2G wireless network technical specifications

Wireless access technology	TD-LTE, FDD -LTE , UMTS	
Frequency band support	CN	EU
	FDD: B1/3/5/8 TDD: B34/38/39/40/41 UMTS: B1 /5 /8	FDD: B1/3/7/8/20/28 TDD: B38/40/41 UMTS: B1/3/8
Uplink and downlink peak rates	LTE FDD: Max 150Mbps (DL) / Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL) / Max 35Mbps (UL) UMTS: Max 21Mbps (DL) / Max 5.76Mbps (UL)	
LTE BAND	1.4/3/5/ 10/ 15/20 MHz, Conforms to 3GPP standards	
Modulation	QPSK/ 16-QAM/64-QAM,Conforms to 3GPP standards	
	QPSK/ 16-QAM, Conforms to 3GPP standards	
Receiving sensitivity	-101±1dBm@LTE -110±3dBm@UMTS Conforms to 3GPP standards	
Maximum output power	LTE FDD: 23dBm±2dB LTE TDD: 23dBm±2dB UMTS: 24dBm+1dB/-3dB	
Antenna Type	2*2MIMO	

WiFi Technical Specifications

Chip Solution	AIC8800DW
Protocol Standards	IEEE 802.11b/g/n/ax
Channel bandwidth	20MHz, 40MHz

frequency	2.4GHz
TX/RX	1T1R
Peak rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n: 75/150 Mbps 802.11ax: 286Mbps/229Mbps
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	17 dBm @ 802.11b 15 dBm @ 802.11g 14 dBm @ 802.11n 12 dBm @ 802.11ax
Antenna Type	Internal Antenna
Users	Max 16

Basic software functions

Language	Chinese, English
IP Protocol	IPv4/IPv6
Dial method	Automatic and manual dialing Network mode selection (3G/4G/Auto)
LTE Band Search Mode	Full frequency band search, locked frequency band search
WLAN	WPA1 encryption/ WPA2 encryption/ WPA-WPA2 mixed/ WPA3-SAE/WPA2-WPA3
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
SMS	Support SMS sending and receiving
maintain	Statistics
System log	Operation log, operation log, log management

Appearance

Ordering Information

Product Model	ComFi C16
Product Packaging	Complete product, Power adapter, Network cable, certificate