MovingComm
Your Wireless Technology

ComFi C120

4G Wireless Router / CPE

Product Specifications

- Plug and Play, Fast and Easy Installation For Use

- Support 4G LTE CAT4 LTE-FDD and LTE-TDD

- Multiple Fast Ethernet Port, 1 WAN 3 LAN Ethernet Connection

- 1200Mbps Dual Band WiFi, More Wireless Speed and Better Coverage

- Omni-Directional High Gain 4G Internal Antenna or External Antenna

Product Description

The ComFi C120 4G LTE WiFi Router / CPE (Customer Premise Equipment) provides superior wireless access performance and comprehensive routing capabilities to bring wireless broadband data and 4G voice services to end-users. It converts high-speed LTE FDD/TDD signal to Wi-Fi signals on the local area network (LAN) and Wireless LAN (WLAN). Wireless and wired devices which including mobile phones, laptops, tablets, printers, IP cameras and other smart devices, can access the ComFi C120 4G LTE WiFi Router / CPE simultaneously.

Hardware Specifications

Main Hardware

SIM Card	1 x SIM/USIM Slot, 1.8V / 3.0V 2FF USIM
Ethernet	4 x RJ45 10/100Mbps Ethernet Port, Adaptive, Auto MDX (1 WAN + 4 LAN)
Voice	1 x RJ11 VoLTE Telephone Port (Optional)
USB	1 x USB 2.0 Host Port (For Debug Purpose Only)
Battery	2600mAH Li-ion Backup Battery (Optional)
Power Supply	1 x Power Adapter: Power Input 100V-240V AC 50/60Hz, Power Output 12V/1A DC Power
	1 x Standard Power Input Jack, 12VDC
Power Button	Power ON/OFF Switch Button
Reset	1 x Pin-hole Reset Button. Long press 3-second to activate factory settings restore
WPS	1 x WPS Button
LED Indicators	1 x Power LED indicator
	1 x WPS/WLAN LED indicator
	1 x LAN LED Indicator
	1 x LTE Internet LED indicator
	3 x Cellular Signal Strength LED Indicator
Dimensions	170mm (L) x 55mm (W) x 154mm (H)
Weight	Approx. 342g
Operating Temperature	-20°C ~ +50°C
Storage Temperature	-25°C ~ +70°C

Operating Humidity	5% ~ 95% (Non-condensing)

Chipset and RAM Specifications

Main Chipset	MT7628DAN 32-bit MIPS24KEc 580MHz SoC
Flash	16MB SPI Flash
RAM	64MB DDR2 (MT7628DAN)
2.4GHz WiFi	MT7628DAN
5GHz WiFi	MT7613BEN
4G LTE	ZX297520V3E, 3GPP Release 9, CAT4 modem

4G/3G/2G Technical Specifications

Cellular Technology	LTE FDD, LTE-TDD, WCDMA, TD-SCDMA, EDGE, GPRS, GSM
Data Rate	LTE-FDD: Max 150Mbps DL / Max 50Mbps UL
	LTE-TDD: Max 130Mbps DL / Max 35Mbps UL
	WCDMA: Max 21Mbps DL / Max 5.76Mbps UL
	TD-SCDMA: Max 4.2Mbps DL / Max 2.2Mbps UL
	EDGE: Max 236.8Kbps DL / Max 118Kbps UL
	GPRS: Max 85.6Kbps DL / Max 85.6Kbps UL
	GSM: Max 9.6Kbps DL / Max 2.7Kbps UL
Rx Sensitivity	Compliance with 3GPP Release 9 Standard
Tx Output Power (Max)	LTE-FDD: 23dBm±2dB
	LTE-TDD: 23dBm±2dB
	WCDMA: 24dBm±1dB/-3dB
	TD-SCDMA: 24dBm±1dB/-3dB
	GSM: B5/B8: +33±2dB (Power Class 4)
	GSM: B2/B3: +30±2dB (Power Class 1)
Antenna Type	Internal Antenna (For C120 / C120V/ C120B / C120VB Model)
	External Detachable Antenna (For C120E, C120EV, C120EB, C120EVB Model)
Antenna Gain	2~3dBi

Cellular Band/Frequency (Europe version)

4G LTE-FDD	B1, B2, B3, B5, B7, B8, B20
4G LTE-TDD	B34, B38, B39, B40, B41
TD-SCDMA	B34, B39
WCDMA	B1, B2, B5, B8
GSM	850, 900, 1800, 1900 (Quad-Band)

Cellular Band/Frequency (Pacific version)

4G LTE-FDD	B1, B2, B3, B5, B7, B8, B28A, B28B
4G LTE-TDD	B38, B39, B40, B41
TD-SCDMA	B34, B39
WCDMA	B1, B2, B5, B8
GSM	850, 900, 1800, 1900 (Quad-Band)

Cellular Band/Frequency (China / India version)

4G LTE-FDD	B1, B3, B5, B8
4G LTE-TDD	B34, B38, B39, B40, B41
TD-SCDMA	B34, B39
WCDMA	B1, B8
GSM	900, 1800

Cellular Band/Frequency (America version)

4G LTE-FDD	B2, B3, B4, B5, B7, B8, B28A, B28B, B66
WCDMA	B2, B4, B5, B8
GSM	850, 900, 1800, 1900 (Quad-Band)

WiFi Specifications

WiFi Standards	IEEE 802.11a/b/g/n/ac
Frequency	2.4GHz 802.11n MIMO 300Mbps

	5GHz 802.11ac MU-MIMO 867Mbps
Channel Bandwidth	20MHz, 40MHz, 80MHz
Tx / Rx	4T4R 1200Mbps
MIMO	2x2
Modulation	802.11b: DQPSK, DBPSK, DSSS, CCK
	802.11a/g: BPSK, QPSK, 16QAM, 64QAM with OFDM
	802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM (HT20 and HT40)
	802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM with OFDM (HT20, HT40, VHT80)
WiFi Encryption	Open, WPA-PSK, WPA2-PSK
Peak Rate	IEEE 802.11b: 11Mbps
	IEEE 802.11a/g: 54Mbps
	IEEE 802.11n: 300Mbps
	IEEE 802.11ac: 867Mbps
Antenna Type	Internal Antenna
Antenna Gain	3dBi
Concurrent Users	Max. 64 Users

Software Specifications

Language Support	Mandarin, English
IP Protocol	IPv4 and IPv6
SIM Management	PIN, PUK Management
Network Connection Management	Manual / Auto
LTE Scan Mode	Full Band Scan, Frequency Lock, PCI Lock
WLAN	WPS Function
VPN	L2TP, PPTP
NAT	Port Forwarding
	DMZ
Firewall	IP/MAC/URL Filter
	Access Control

	SYN Flood
	TCP Port Scan
	Death of Ping
Diagnostics	TCP Dump
	Ping
	Trace Route
Statistics	LTE Status
	Connection Time
	System Up Time
	Device Status
	DHCP Client List
	WiFi Station List
	Firewall Status
Maintenance	Date & Time Setting
	Reboot
	Restore Factory Settings
	Restore / Backup Configuration File
System Log	Operating Log
	Run Time Log
	Filter / Select / Display / Export Log
Optional	VoLTE/CSFB (Available in C10V, C10VB, C10EV, C10EVB Models)
	TR069

Product Views

Order Information

Model	External Antenna (4G)	VoLTE Voice Call (RJ11)	Build-In Battery
C120	✘	✘	✘
C120V	✘	✔	✘
C120B	✘	✘	✔
C120E	✔	✘	✘
C120EV	✔	✔	✘
C120VB	✘	✔	✘
C120EB	✔	✘	✔
C120EVB	✔	✔	✔

Product Packaging

C100 4G Wireless Router	Antenna (C100E model)	User Manual
Network Cable	12V Power Adapter	
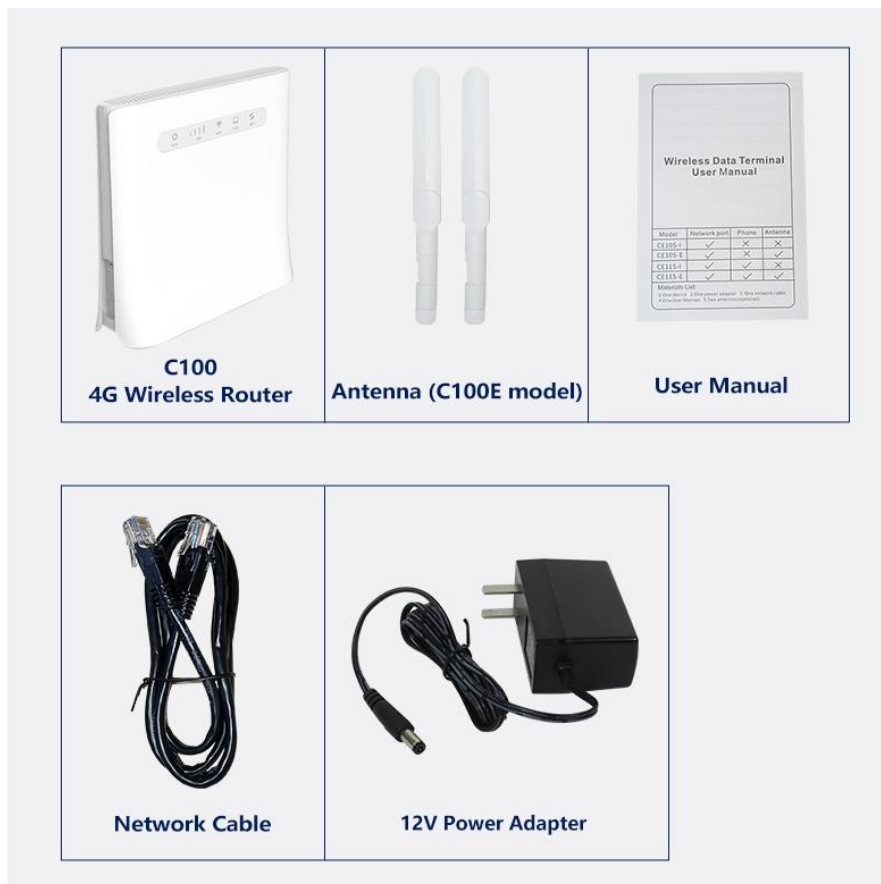
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