

ComFi C20E

4G Wireless Router / CPE

Product Specifications



- Support 4G LTE CAT4 LTE-FDD and LTE-TDD
- Support CAT4 DL 150Mbps Speed
- Plug and Play, Fast and Easy Installation For Use
- Up to 300Mbps Broadband Bandwidth for High Speed Internet Access
- Omni-Directional High Gain 4G External Antenna, Better Connectivity and More Stable Internet

Product Description

The ComFi C20E 4G LTE WiFi Router / CPE (Customer Premise Equipment) is a CAT4 LTE wireless router that provides superior wireless access performance and comprehensive routing capabilities to bring high speed 4G LTE broadband data to end-users. It converts high-speed LTE FDD/TDD signals to Wi-Fi signals on the local area network (LAN) and Wireless LAN (WLAN). Wireless and wired devices, including mobile phones, laptops, tablets, printers, IP cameras and other smart devices, can access the ComFi C20E 4G LTE WiFi Router / CPE simultaneously.

Hardware Specifications

Main Hardware

SIM Card	1 x SIM/USIM Slot, 1.8V / 3.0V 3FF USIM
Ethernet	4 x RJ45 10/100Mbps Ethernet Port, 1 WAN + 3 LAN Auto MDI/X
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
Reset	1 x Pin-hole Reset Button. Long press 3-second to activate factory settings restore
LED Indicators	1 x Power LED indicator
	3 x Cellular Signal Strength LED Indicator
	1 x WLAN Status LED indicator
	4 x LAN Status LED Indicator
	1 x Internet Status LED indicator
Dimensions	210mm (L) x 138mm (W) x 34mm (H)
Weight	Approx. 300g (Including Antenna)
Operating Temperature	-25°C ~ +65°C
Storage Temperature	-30°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 Wi-Fi	MT7628DAN
4G LTE	Quality LTE Cat4 Modem, 3GPP Release 9

4G/3G/2G Technical Specifications

Cellular Band / Frequency	Europe version	4G LTE-FDD	B1, B3, B7, B8, B20, B28
		4G LTE-TDD	B38, B40, B41
		WCDMA	B1, B8
		GSM	900, 1800
	Australia version	4G LTE-FDD	B1, B2, B3, B4, B5, B7, B8, B28, B66
		4G LTE-TDD	B40
		WCDMA	B1, B2, B4, B5, B8
		GSM	850, 900, 1800, 1900 (Quad-Band)
	China / India version	4G LTE-FDD	B1, B3, B5, B8
		4G LTE-TDD	B34, B38, B39, B40, B41
		WCDMA	B1, B5, B8
		GSM	900, 1800
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 LTE Technology		

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	External Antenna
Antenna Gain	2~3dBi

WiFi Specifications

WiFi Standards	IEEE 802.11b/g/n
Frequency	2.4GHz 802.11n MIMO 300Mbps
Channel Bandwidth	20MHz, 40MHz
Tx / Rx	2T2R 300Mbps
MIMO	2x2
Modulation	802.11b: DQPSK, DBPSK, DSSS, CCK
	802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM
	802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM (HT20 and HT40)
WiFi Encryption	Open, WPA-PSK, WPA2-PSK
Peak Rate	IEEE 802.11b: 11Mbps
	IEEE 802.11g: 54Mbps
	IEEE 802.11n: 300Mbps
Transmit Power	IEEE 802.11b: 18dBm
	IEEE 802.11g: 17dBms
	IEEE 802.11n: 16dBm
Reception Sensitivity	IEEE 802.11b: -85dBm
	IEEE 802.11g: -70dBm
	IEEE 802.11n: -70dBm
Antenna Type	External Antenna
Antenna Gain	3dBi

Concurrent Users	Max. 32 Users
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Software Specifications

Language Support	Mandarin, English (Support Language Customization)
IP Protocol	IPv4 and IPv6
SIM Management	PIN, PUK Management
Network Connection Management	Manual / Auto
LTE Scan Mode	Full Band Scan, Frequency Lock
VPN	L2TP, PPTP
NAT	Port Forwarding
	DMZ
Wi-Fi Mode	AP Mode, Repeater Mode
QoS	QoS
Remote Management	TR069
Firewall	IP/MAC/URL Filter
	Access Control
	SYN Flood
	TCP Port Scan
	Death of Ping
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

	Remote Upgrade (TR069)
System Log	Operating Log

Product Views



Order Code Information

Model	1 WAN 3 LAN	External Antenna
ComFi C20E	✓	✓
Product Packaging: <ul style="list-style-type: none"> • 1 x C20E 4G LTE Router • 1 x 12V DC Power Adapter (European Standard Plug) • 1 x Network Cable • 1 x User Manual 		

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深圳星恒讯科技有限公司

SHENZHEN MOVINGCOMM TECHNOLOGY CO., LTD.

Addr: 4F, No. 5 Building, TongFuKang ShuiTian Industrial Zone,
ChangCheng Road, ShuiTian Community, ShiYan, BaoAn
District, 518108 ShenZhen, GuangDong, China

Tel: 86-755-23125215

Fax: 86-755-23125215-802

Email: sales@movingcomm.com

