

ComFi CX11

4G Wireless Router / CPE

Product Specifications



- Support 4G LTE CAT4 LTE-FDD and LTE-TDD
- 4G External Antenna with Improved Signal and Connectivity
- Support Battery as Secondary Power Supply (Optional)
- Plug and Play, Fast and Easy Installation For Use

Product Description

The ComFi CX11 4G LTE Wireless Router / CPE (Customer Premise Equipment) provides superior wireless access performance and comprehensive routing capabilities to bring wireless broadband data to end-users. It converts high-speed LTE FDD/TDD signal to the local area network (LAN) and Wireless LAN (Wi-Fi). Wireless and wired devices which including mobile phones, laptops, tablets, printers, IP cameras and other smart devices, can access the ComFi CX11 4G LTE Wireless Router / CPE simultaneously.

Key Features

- High Speed 4G data access with cat4 technology
- Support IPv4 / IPv6
- Wi-Fi 802.11b/g/n Standards supports up to 15 Wi-Fi clients
- Support multiple network protocols for various applications
- Firewall and VPN pass through
- Support TR-069 (Optional and applicable for ISP's Order Only)
- Support Battery as Secondary Power source to the router (Optional)

Hardware Specifications

Main Hardware

Model	ComFi CX11E
SIM Card	1 x SIM/USIM Slot, 1.8V / 3.0V 4FF USIM (Nano-SIM)
Ethernet	1 x RJ45 10/100Mbps Ethernet Port, Auto MDX, Auto-Sensing
USB	1 x USB 2.0 Host Port (For Debug Purpose Only)
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 Tactile Button. Long press 10s to restore to the factory settings
WPS	1 x WPS Button
LED Indicators	1 x Power LED indicator (Dual-Color Led)
	1 x WPS/WLAN Status LED indicator

	1 x LAN Status LED Indicator
	1 x LTE Internet Connection Status LED indicator
	1 x Signal Status LED Indicator (Dual-Color Led)
Backup Battery (Optional)	4500mAh
Dimensions	125mm (L) x 23mm (W) x 125mm (H)
Weight	Approx. 160g
Operating Temperature	-20°C ~ +60°C
Storage Temperature	-25°C ~ +70°C
Operating Humidity	5% ~ 95% (Non-condensing)

Chipset and RAM Specifications

Main Chipset	ZX297520V3E, 3GPP Release 9, CAT4 modem
Flash	On-Chip 128MB Flash (ZX297520V3E)
RAM	On-Chip 64MB (ZX297520V3E)

4G/3G/2G Technical Specifications

Cellular Technology	LTE FDD, LTE-TDD, WCDMA, TD-SCDMA, EDGE, GPRS
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	External Antenna
Antenna Gain	3~5dBi

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 802.11b/g/n
Frequency	2.4GHz 802.11n
Channel Bandwidth	20MHz, 40MHz
Tx / Rx	1T1R
Modulation	DSSS/CCK, OFDM
WiFi Encryption	Open, WPA-PSK, WPA2-PSK
Peak Rate	IEEE 802.11b: 11Mbps
	IEEE 802.11g: 54Mbps
	IEEE 802.11n: 150Mbps
Wi-Fi RF Power	IEEE 802.11b: 17dBm
	IEEE 802.11g: 14dBm
	IEEE 802.11n: 13dBm
Wi-Fi Reception Sensitivity	IEEE 802.11b: -85dBm
	IEEE 802.11g: -70dBm
	IEEE 802.11n: -66dBm
Antenna Type	Internal Antenna
Antenna Gain	3dBi
Concurrent Users	Max. 15 Users

Software Specifications

Language Support	Default English (Other languages can be customized upon request)
IP Protocol	IPv4/IPv6
SIM Management	PIN Management, SIM Lock
Network Connection Management	Auto/Manual
LTE Scan Mode	Full Band Scan, Frequency Lock, PCI Lock
WLAN	Wi-Fi Configuration, WPS

VPN	L2TP, PPTP
NAT	Port Forwarding, DMZ
Firewall	IP/MAC/URL Filter, Access Control, SYN Flood, TCP Port Scan, Death of Ping
Network Management	TR069
Diagnostics	TCP Dump, Ping, Trace Route
Statistics	LTE Status, Connection Time, System Up Time, Device Status, DHCP Client List, Wi-Fi Client List, LTE Status, Firewall Status
Maintenance	Date & Time Setting, Reboot, Restore Factory Settings, Restore / Back up Configuration File, Firmware Upgrade Locally/OTA (Over The Air)
System Log	Operating Log, Run-time Log, Filter/Select/Display/Export Log

Product Views



Order Information

Model Code	External Antenna (4G)	Battery (Optional)
CX11E	✓	x
CX11EB	✓	✓

Standard Product Packaging

- 1 x CX11 4G LTE Router
- 1 x 12V DC Power Adapter (European Standard Plug)
- 1 x Network Cable
- 1 x User Manual

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