ComFi CM126

4G Cat6 Wireless Router / CPE

Product Specifications

- Plug and Play, Fast and Easy Installation For Use

- Support 4G Cat6 LTE-FDD and LTE-TDD

- 1200Mbps 2.4GHz and 5GHz WIFI For Multiple Concurrent Connections

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

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

Product Description

The ComFi CM126 4G LTE wireless 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 CM126 4G LTE wireless Router / CPE simultaneously.

Hardware Specifications

Main Hardware

Main Chipset	ASR1828+RTL8192FR+QCA6174A-1
Flash	1Gb
RAM	1Gb DDR
WIFI	2.4GHz 2T2R MIMO 300Mbps 5GHz 2T2R MIMO 867Mbps
4G LTE	3GPP Release 10, Cat6
SIM Card	1 x SIM/USIM Slot, 1.8V / 3.0V 2FF USIM
Ethernet	4 x RJ45 10/100/1000Mbps Adaptive, Auto MDX (1 WAN + 3 LAN)
Battery	3000mAh
Voice	VoLTE,VoIP,CS
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

	4 x Cellular Signal Strength LED Indicator
Dimensions	170mm (L) x 55mm (W) x 154mm (H)
Weight	Approx. 390g
Operating Temperature	-20°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Operating Humidity	5% ~ 95% (non-condensing)
ESD	ESD Protection circuit; Contact±6KV, Air±8KV

4G/3G/2G Technical Specifications

LTE Category		LTE Cat6
Frequency*	EA Version	FDD:B1/B3/B5/B7/B8/B20/B28/B32 TDD:B38/B40/B41/B42/B43 WCDMA: B1/B5/B8
	SA Version	FDD:B2/B4/B5/B7/B8/B20/B28/B32/B66 TDD:B38/B40/B41/B42/B43 WCDMA: B2/B4/B5
	CA	Support DL 2CA
Data Rate	LTE	LTE-FDD: Max. 300 (DL)/ Max. 50 (UL) LTE-TDD: Max. 223 (DL)/ Max. 20.4 (UL)
	DC-HSPA+	Max. 42 (DL)/ Max. 5.76 (UL)
Transmitting Power		Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800 Class E2 (27dBm±3dB) for EGSM900 8-PSK Class E2 (26dBm±3dB) for DCS1800 8-PSK Class 3 (24dBm+1/-3dB) for WCDMA bands Class 3 (23dBm±2dB) for LTE-FDD bands Class 3 (23dBm±2dB) for LTE-TDD bands
Antenna Type		Internal Antenna or External Detachable Antenna (2 choose 1)
Antenna Gain		2 ~ 3dBi

WiFi Specifications

WiFi Standards	IEEE 802.11a/b/g/n/ac
Frequency	2.4GHz 802.11n MIMO 300Mbps 5.8GHz 802.11ac MIMO 867Mbps
Channel Bandwidth	20MHz, 40MHz, 80MHz
Tx / Rx	2T2R 300Mbps (2.4GHz), 867Mbps (5.8GHz)
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
Tx Power	18dBm in 802.11b
	17dBm in 802.11g
	16dBm in 802.11n
	16dBm in 802.11ac
Receive Sensitivity	-85dBm in 802.11b
	-70dBm in 802.11g
	-70dBm in 802.11n
	-60dBm in 802.11ac
Antenna Type	Internal Antenna
Antenna Gain	2dBi
Concurrent Users	Max. 24 Users

Software Specifications

Language Support	Chinese, English
IP Protocol	IPv4 and IPv6
SIM Management	PIN, SMS,RF
Network Connection Management	Manual / Auto
LTE Scan Mode	Full Band Scan, Lock Band, Lock Cell
WLAN	WPS, AP,Guest WiFi, WLAN Mac Filter,Hidden SSID
VPN	L2TP, PPTP
NAT	Port Forwarding
	DMZ
Firewall	IP/MAC/Domain Name Filter
	IP passthrough
	SYN Flood
Statistics	SNTP
	Connection Time
	System Up Time
	Device Status
	DHCP Client List
	WIFI Station List
Maintenance	Date & Time Setting
	Reboot
	Restore Factory Settings
	Restore / Backup Configuration File
	Local Web Firmware Upgrade
	TR069
System Log	System Log setting

Order Information

Model	Internal Antenna (4G)	External Antenna (4G)
ComFi CM126V	✓	✗
ComFi CM126EV	✗	✓

Product Packaging for CM126:

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

Product Packaging for CM126E:

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

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