

ComFi C35E

5G Wireless Router / CPE

Product Specifications



- Support 5G NR Sub-6 Cellular Network
- Downward compatible 4G and 3G Cellular Network
- External Omni-Directional 5G Antenna, Better Signal and Connectivity
- SIM Plug and Play, Easy Installation for Use
- High Speed Dual Band WiFi6 Data Rate Up to 1800Mbps
- Full Gigabit Ethernet RJ45 Network Port

Product Description

ComFi C35E is a high-performance 5G home gateway product that provides 5G high-speed cellular network and wireless WiFi6 network coverage, bringing wireless broadband data and voice services to end users. It transmits the LAN and WIFI data through the high-speed 5G broadband, so that mobile phones, phones, laptops, tablet computers and other smart devices can access the Internet through the device at the same time.

Hardware Specifications

Main Hardware

SIM Card	1 x SIM/USIM Slot, 1.8V / 3.0V 3FF USIM
Ethernet	4 x RJ45 10/100/1000Mbps Ethernet Port, 1 WAN + 3 LAN Auto MDI/X
	Support Optional Customization to have 4 x LAN Port, without WAN Port
Power Supply	1 x Power Adapter: Power Input 100V-240V AC 50/60Hz, Power Output 12V/2A 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. 350g (Including Antenna)
Operating Temperature	-25°C ~ +65°C
Storage Temperature	-30°C ~ +70°C
Operating Humidity	5% ~ 95% (non-condensing)

5G/4G/3G/2G Technical Specifications

Cellular Technology	5G: 3GPP Release 15 NSA/SA operation, Sub-6 GHz CN & EA Version: LTE DL Cat12, UL Cat13 GL Version: LTE DL Cat16, UL Cat18		
Frequencies	CN (China Mainland)	EA (European/LATAM)	GL (Global)
	NSA: n41/n78/n79 SA: n1/n28/n41/n77/n78/n79 LTE-FDD: B1/B2/B3/B5/B7/B8/ B20/B28 LTE-TDD: B34/B38/B39/ B40/B41 WCDMA: B1/B2/B5/B8	NSA: n1/n3/n7/n38/n40/n41/ n77/n78/n79 SA: n1/n3/n7/n8/n20/n28/n38/ n40/n41/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B20 /B28A/B28B/B66 LTE-TDD: B38/B40/B41 WCDMA: B1/B2/B5/B8	NSA: n38/n41/n77/n78/n79 SA: n1/n2/n3/n5/n7/n8/n12/ n20/n25/n28/n38/n40/n41/ n48/n66/n71/n77/n78/n79 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B14/B17/B18/B19/B20/ B25/B26/B28/B29/B30/B32/ B66/B71 LTE-TDD: B34/B38/B39/B40/B41/B42/ B43/B48 LTE-LAA: B46 WCDMA: B1/B2/B3/B4/B5/B8/B19
Data Rate	5G NSA Sub 6: Max 2.6Gbps DL / Max 650Mbps UL 5G SA Sub 6: Max 2Gbps DL / Max 1Gbps UL LTE: Max 600Mbps DL / Max 150Mbps UL WCDMA: Max 42Mbps DL / Max 11Mbps UL		5G NSA Sub 6: Max 2.5Gbps DL / Max 650Mbps UL 5G SA Sub 6: Max 2.1Gbps DL / Max 900Mbps UL LTE: Max 1Gbps DL / Max 200Mbps UL WCDMA: Max 42Mbps DL / Max 11Mbps UL
Antenna Type	External Antenna		
Antenna Gain	3dBi		

WiFi Specifications

WiFi Standards	IEEE 802.11a/b/g/n/ac/ax
Frequency	2.4GHz 802.11ax MU-MIMO 573Mbps
	5.GHz 802.11ax MU-MIMO 1201Mbps
Channel Bandwidth	20MHz, 40MHz, 80MHz
Tx / Rx	2T2R 573Mbps (2.4GHz)
	2T2R 1201Mbps (5GHz)
MIMO	2.4GHz DL: 2X2
	5GHz DL: 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)
	802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, OFDMA (HT20, HT40, VHT80)
WiFi Encryption	Open, WPA-PSK, WPA2-PSK
Peak Rate	IEEE 802.11b: 11Mbps
	IEEE 802.11g: 54Mbps
	IEEE 802.11n: 300Mbps
	IEEE 802.11ac: 867Mbps
	IEEE 802.11ax: 573Mbps (2.4GHz), 1201Mbps (5GHz)
Transmit Power	17dBm @ 802.11b 17dBm @ 802.11g 16dBm @ 802.11n 15dBm @ 802.11ac 15dBm @ 802.11ax
Receiver Sensitivity	-85dBm @ 802.11b -70dBm @ 802.11g -70dBm @ 802.11n -70dBm @ 802.11ac -62dBm @ 802.11ax
Antenna Type	Internal Antenna

Antenna Gain	3dBi
Concurrent Users	100 Users

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, PCI 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 Information

Model	5G Modem Version	External Antenna (5G)	Dual Band Wi-Fi6
ComFi C35E-CN	China	✓	✓
ComFi C35E-EA	Europe	✓	✓
ComFi C35E-GL	Global	✓	✓

Product Packaging:

- 1 x C35E 5G Wireless Router
- 1 x 12V DC Power Adapter (European Standard Plug)
- 1 x Network Cable
- 1 x User Manual

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