

5G CPE

EC5E422Y



PRODUCT OVERVIEW

- Built-in WiFi 6 mobile hotspot distributes high-speed, high-performance
 WiFi to all your connected devices
- Built-in 5G Full-band antenna, 360°Signal Reception for Superior Connectivity,
 Radiation radius of more than 50 meters
- ◆ Support 2.4G and 5G Bands
- Support SA and NSA operation modes
- ◆ Support WPA3 encryption for more protection
- Support WebGUI management and configuration
- Support 32 surfing users
- ◆ SIM card slot supports 5G or 4G/LTE



System

• CPU MTK750

1GB DDR4+1GB NAND Memory

Standard 3GPP R15 Antenna Internal MIMO

Sending Mode 2Tx Receiving Mode

Authentication Support PAP/CHAP authentication

RF Specification

GSM **WCDMA** B1/B5/B8

B1/3/5/7/8/20/28/32/38/40/41/42/43 TDD FDD N1/3/5/7/8/20/28/38/n40/41/77/78

Reference to sheet CA CA **5**G Features Support 3GPP Rel-15,2CC CA

Support uplink 256-QAM* and downlink 256-QAM

Support downlink 4 × 4 MIMO on n1/n3/n7/n38/n40/n41/n77/n78 Support uplink 2 × 2 MIMO2

on n41/n77/n78

Support SCS 15 kHz and 30 kHz Support SA and NSA operation modes Support Option 3x, 3a, and Option 2

NSA TDD: Max 3.74 Gbps (DL)/ 1.46 Gbps (UL) SA TDD: Max 4.67 Gbps (DL)/ 2.5 Gbps (UL)

Support both FDD and TDD LTE Features

> Support 1.4 to 20 MHz RF bandwidth Support LTE DL 4 ×4 MIMO on B1/B3/B7/B38/B40/B41/B42/B43 Support uplink and downlink QPSK,

16-QAM and 64-QAM and 256-QAM modulation

LTE: Max. 1.6 Gbps (DL)/ 211 Mbps (UL)

Support 3GPP R9 **UMTS** Features

DC-HSDPA/HSPA+/HSDPA/HSUPA/WCDMA Support QPSK/16-QAM/64-QAM modulation

DC-HSDPA: Max. 42 Mbps HSUPA: Max. 5.76 Mbps

Transmit Power WCDMA: Max. 384 kbps (DL)/ 384 kbps (UL)

WCDMA: Class 3 (24 dBm +1/-3 dB) LTE-FDD: Class 3 (23 dBm ±2 dB) LTE-TDD: Class 3 (23 dBm ±2 dB) 5G NR: Class 3 (23 dBm ±2 dB) 5G NR n41/n77/n78 bands

UL MIMO HPUE1: Class 2 (26 dBm +2/-3 dB)

Networks

WAN Port Static IP (IP/Subnet/Gateway/DNS),

DHCP Client, NTP client

LAN Port (Ethernet) NAT mode

IPV4, IPv6 Internet Protocol v4/v6 ICMPv6

VPN Tunneling No

IP, Port- (Protocol-)filter, MAC Firewall Port Forwarding, DMZ support; Security Firewall for URL filter, MAC filter, Dos;

Support PIN and PUK based SIM card security;

WAN Access Control; (HTTP).

TOS No

DNS DNS relay/ DNS cache Services Broadcasting, Multicasting Software Update Support local update

RF Specification

• WiFi Chipset MT7915

Agreement 802.11a/b/g/n/ac/ax(2*2)

Bands 2.4G(2.4~2.4835GHz),5.0G(5.15~5.925GHz)

Users 32

MU-MIMO,2X2 MIMO Transmission Distance Indoors up to 50m

11g:54/48/36/24/18/12/9/6 Mbps (Auto Rate Rates

Sensina)

11b:11/5.5/2/1 Mbps (Auto Rate Sensing)

11n:300Mbps /.../6.5Mbps (Auto Rate Sensing)

11ac:866Mbps/.../6.5Mbps(Auto Rate Sensing) 11ax:1800Mbps/.../6.5Mbps(Auto Rate Sensing)

Encryption Support for WFA WPA/WPA2/WPA3 personal,

support WPS2.0,support WAPI

Basic Specification

Size 107*107*185mm

TBD Weight

LED Power/WiFi/4G/5G LED (3 colors) Temperature Working temperature: 0°C ~ 40°C Storage temperature: -20°C ~ +70°C

Humidity Working humidity: 40°C/90-95%

Storage humidity: 10 ~ 95%

Power 12V DC/3A

Consumption ON State: MAX. 36W,OFF State: MAX. 0.5W LAN

2xRJ45 Ethernet Port(1xLAN/WAN auto-sensing 1Gigabit,1xLAN Gigabit)

1xRJ11 VoicePort

Interface 1 Φ6.5 DC connector,1 USB Type A USIM&SIM 4FF Standard 8PIN ,eSIM(Optional)

LTE Antenna Internal Antenna Internal Antenna Diversity Antenna WiFi Antenna Internal Antenna Internal Antenna **5**G Antenna

Starting up time Less than 60s from starting up to connecting

to internet

Packing

Device Yes,1pcs

Battery

Adapter Yes,12V3A

Lable Yes, Model number/ MAC/ Serial number

Gift Box Yes Warranty Card Yes User Manual Yes

Material

Front Rear Back Rear **Battery Cover Buttons**

Plastic, no painting Plastic, no painting Plastic, no painting Plastic, WPS+Reset+Power

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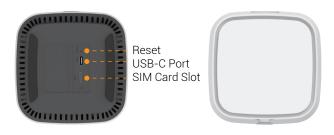




PRODUCT FUNCTION INDICATION







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