# Maxxtek

# 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 | |
| Memory | 1GB DDR4+1GB NAND | |
| Standard | 3GPP R15 | |
| Antenna | Internal MIMO | |
| Sending Mode | 2Tx | |
| Receiving Mode | 4Rx | |
| Authentication | Support PAP/CHAP authentication | |

## RF Specification

| | |
|---|---|
| ● GSM | NA |
| WCDMA | B1/B5/B8 |
| TDD | B1/3/5/7/8/20/28/32/38/40/41/42/43 |
| FDD | N1/3/5/7/8/20/28/38/n40/41/77/78 |
| CA | Reference to sheet CA |
| 5G 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) |
| LTE Features | Support both FDD and TDD |
| | 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) |
| UMTS Features | Support 3GPP R9 |
| | 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 |
| Firewall | IP , Port- (Protocol-)filter, MAC |
| Security | Port Forwarding, DMZ support; 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 |
| MIMO | MU-MIMO,2X2 |
| Transmission Distance | Indoors up to 50m |
| Rates | 11g:54/48/36/24/18/12/9/6 Mbps (Auto Rate Sensing) |
| | 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 |
| Weight | TBD |
| 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 |
| Diversity Antenna | Internal Antenna |
| WiFi Antenna | Internal Antenna |
| 5G Antenna | Internal 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 | Plastic,no painting |
| Back Rear | Plastic,no painting |
| Battery Cover | Plastic,no painting |
| Buttons | Plastic,WPS+Reset+Power |

# PRODUCT FUNCTION INDICATION

5G LED
4G LED
Power LED
WiFi LED

Power Button

WPS Button
RJ11 Port
LAN/WAN
LAN
Power Port

Reset
USB-C Port
SIM Card Slot

A quality product by: **RASHMI** GROUP

PROUDLY MADE IN india