

Shenzhen Lilian Communication Technology Co., Ltd

5G CPE WiFi Router System Product Datasheet

5G & WiFi-6 Smart Router System (CPE)



Summary

5G & WiFi-6 Smart Router System (CPE), is based on brand-new embed platform, it can be satisfied with growing-up mobile **connections** requirements and provides the fast speed beyond your imagination.

The CPE is compatible with NSA/SA dual-mode, suits to all network types all over the world, it means you just plug and play it and enjoy the ultra-fast broadband connection at any places.

The CPE brings the new way to enable you experience VR/AR/4K/8K streaming freely and easily. With 802.11ax (Wi-Fi 6) technology built-in, the single CPE has wider wireless coverage and more bandwidth. Meanwhile the CPE brings higher security, better network efficiency and longer battery life.



Key Features

■ 5G Cellular

Built-in UNISOC V510 modem with Qualcomm X55 chip, it has best 5G mobile network performance and works with integrated world-wide 5G to 2G multi-mode.

■ Wi-Fi 6 (802.11ax)

The revolutionary Wi-Fi technology with OFDMA and DL MU-MUMI, faster wireless line , more client connection, lower

■ Higher Wireless Capacity

Dual-band 4 spatial streams, the CPE outputs 1800Mbps wireless bandwidth (600 + 1200), makes you peace of mine while enjoy UHD videos, online games at the home rush hours. It's the future-proof investment absolutely.

■ Hybrid MESH+ Networking

Make WiFi Smarter, Turn Life Easier

Datasheet

■ 5G Cellular

- 1) 5G Baseband: UNISOC V510 Modem-RF System
- 2) 5G Network Modes: SA (standalone), NSA (non-standalone)
- 3) 5G Bands: n2, n5, n40, n41, n66, n71, n77, n260, n261
- 4) 5G Standards: 3GPP Release 15
- 5) 5G SA Transmission Speed: 2Gbps/1000Mbps (up to ISPs)
- 6) 5G NSA Transmission Speed: 2.2Gbps/576Mbps (up to ISPs)

■ 4G Cellular

- 7) LTE-FDD: B2, B4, B5, B12, B13, B14, B17, B29, B30, B66, B71
- 8) LTE-TDD: B34/B38/B39/B40/B41
- 9) LTE : Down 600Mbps ; UP 150 Mbps

■ WiFi 6 (802.11ax)

- 1) Working Radio: #1: 600Mbps @ 2.4GHz; #2: 1200Mbps @ 5.1-5.8GHz
- 2) Coding Technology: 1024-QAM / OFDMA
- 3) Peak Connections: >100+ Clients
- 4) Wi-Fi Standard Conformance: WiFi6 and 802.11ac / 802.11n backward
- 5) Antenna: 4 high-performance external omnidirectional antennas with 4 pcs external FEM components.

■ Data Switching

- 1) Mobile 4G/5G Connection (Support APN)
- 2) Giga Ethernet Connection
- 3) MESH: MESH+ hybrid
- 4) 2.4G/5Ghz WiFi
- 5) Advanced Firewall
- 6) MAC Filter
- 7) WiFi Security
- 8) VPN Passthrough and VPN Client (L2TP PPTP)
- 9) IPV4/IPV6
- 10) WEB / APP Management
- 11) Firmware upgrade

■ Hardware Specification

- 1) CPU: MT7621AT
- 2) Memory: 16MB Flash + 256MB DDR3
- 3) Ethernet: 1*1Gbps WAN, 2*LAN 1Gbps

- 4) 1* SIM Slot (Nano-SIM)
- 5) Reset button
- 6) MESH+ Button
- 7) MESH+ LED Switch
- 8) LED Indicator
 - MESH+ Working Status (breathing light)
 - 4G Status
 - 5G Status
 - WiFi Status
 - Power Status
- 9) General
 - Power Consumption:<20W
 - DC Power Supply: 12V/2A

 - Working temperature:0°C ~ 40°C, Storage temperature: -20°C ~ +70°C

 - Humidity:5% ~ 95%

 - Dimensions:210X160X41MM

 - Weight: TBD

What's in the package?

- One (1) 5G CPE Router (M10K24)
- One (1) 1m Cat6 Ethernet cable
- One (1) Power Adapter
- Quick Start Guide

Maximum wireless signal range derived from IEEE standard 802.11 specifications. Actual data throughput and data over distance will vary. Network conditions and environmental factors, including volume of network traffic, building material and construction, and network overhead, result in lower actual data throughput rate and wireless coverage.