



C220 Indoor CPE

Product Manual

Enrich Your MBB&FWA connections
Your most reliable MBB&FWA Partner



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Product Overview

The WEWINS C220 LTE Cat4 Indoor CPE is a reliable and cost-effective wireless broadband solution designed for home, office, and small business environments. Supporting LTE Cat4 connectivity and 2.4 GHz Wi-Fi, the C220 delivers stable high-speed internet access in areas where fixed-line broadband is unavailable or unreliable.

Built on a mature LTE Cat4 platform and compliant with 3GPP Release 9, the C220 integrates data, SMS, routing, and security functions into a compact indoor CPE, making it ideal for residential broadband, SOHO networking, and enterprise backup connectivity.



Key Features



Reliable 2.4 GHz Wi-Fi Connectivity

Compliant with IEEE 802.11 b/g/n, providing up to 300 Mbps Wi-Fi throughput and supporting up to 32 concurrent Wi-Fi users for home or office environments.



Flexible Wired & Wireless Networking

Equipped with up to 3 Ethernet LAN ports (optional) and optional RJ11 VoLTE voice port, enabling flexible deployment for data and voice services.



Enhanced Indoor Signal Coverage

Designed with external high-gain LTE and Wi-Fi antennas, improving signal reception and wireless coverage in weak-signal indoor environments.



Comprehensive Network & Security Features

Supports IP / Port / URL filtering, DMZ, UPnP, DDNS, and WPA2 Wi-Fi encryption, providing secure and manageable network access.



Easy Web-Based Management

Intuitive WebUI (192.168.8.1) allows quick configuration of APN profiles, Wi-Fi settings, traffic statistics, device status, and firmware upgrades.



Remote Maintenance & Firmware Upgrade

Supports FOTA and local firmware updates, enabling efficient lifecycle management and large-scale deployment.

Application Scenarios

- Home broadband access
- Small office & SOHO networking
- Temporary or backup internet connectivity
- Rural or suburban wireless broadband
- Enterprise failover network

Product Usage Flow

1. Insert a Nano-SIM (4FF) card into the SIM slot
2. Connect the power adapter and power on the device
3. Wait for system initialization to complete
4. Connect via Wi-Fi or Ethernet cable
5. Access WebUI at 192.168.8.1 for configuration
6. Internet connection is ready for use

Technical Specifications

LTE Cat4

- FDD: DL 150 Mbps / UL 50 Mbps
- TDD: DL 110 Mbps / UL 10 Mbps

3G: HSPA+, HSPA, WCDMA

Wi-Fi: IEEE 802.11 b/g/n (2.4 GHz)

Max Wi-Fi Users: 32

Supported Frequency Bands

Band support can be customized upon request

- LTE: B1 / B3 / B7 / B8 / B20 / B38 / B40 / B41
- WCDMA: B1 / B3 / B8
- GSM: B3 / B8

Hardware Specifications

| Item | Description |
|-----------------------|---|
| SIM | Nano-SIM (4FF) |
| Ethernet | Up to 3x RJ45 LAN ports (optional) |
| Voice | 1x RJ11 port for VoLTE (optional) |
| Power | DC 5V / 2A |
| Debug | Type-C port (hidden, non-user) |
| Antennas | 2x LTE/UMTS/GSM external antennas 2x Wi-Fi external antennas |
| Indicators | SYS / ETH / Wi-Fi / 4G / NET |
| Buttons | Power button, WPS / Reset button |
| Battery | Optional 4000 mAh removable battery |
| Max Power Consumption | 7 W |

Physical Specifications

| Item | Description |
|-----------------------|---------------------------|
| Dimensions | 155 x 155 x 40 mm |
| Weight | 308 g (without battery) |
| Material | PC + ABS |
| Operating Temperature | 0 °C – 40 °C |
| Storage Temperature | -20 °C – 60 °C |
| Humidity | 5% – 95% (non-condensing) |

Software Features

- Network search (automatic / manual)
- APN & profile management
- Traffic statistics (download / upload / total)
- SMS inbox / outbox / draft
- Phonebook management
- DHCP server & DNS relay
- NAT routing
- SIM PIN management
- WebUI-based configuration
- FOTA & local firmware upgrade

Packing List

| Item | Quantity |
|--------------------------|----------|
| C220 LTE Cat4 Indoor CPE | 1 |
| Power Adapter (5V / 2A) | 1 |
| Ethernet Cable | 1 |
| User Manual | 1 |
| Gift Box | 1 |

Certifications

- CE
- Local certifications available upon request

Scan to Learn More



Company Website



Product Details

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