C150 – 5GCPE
Product Manual

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

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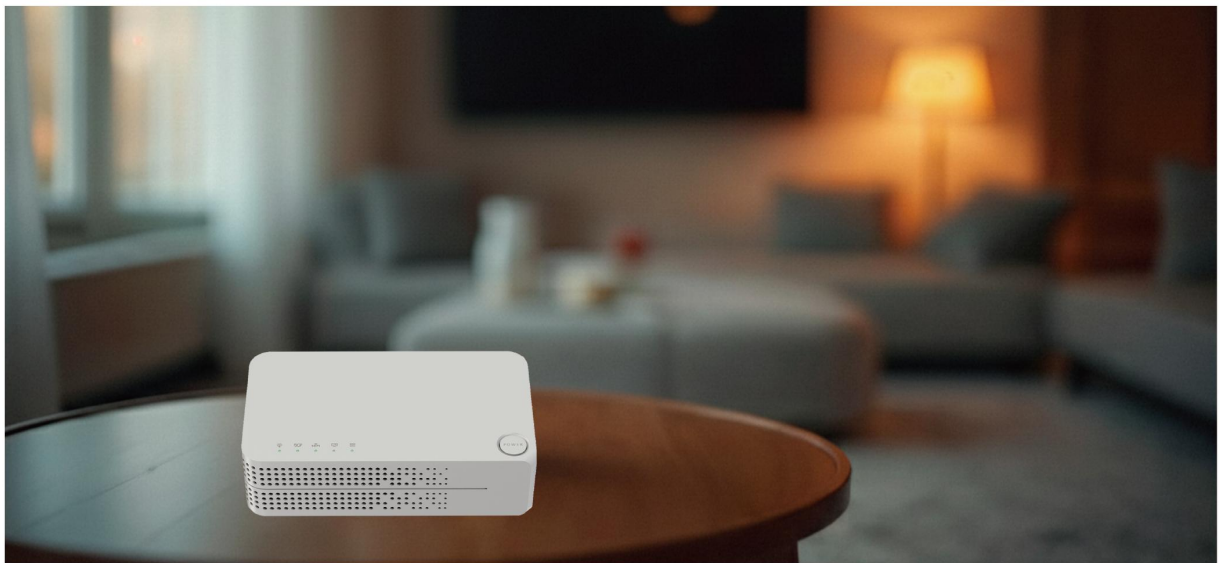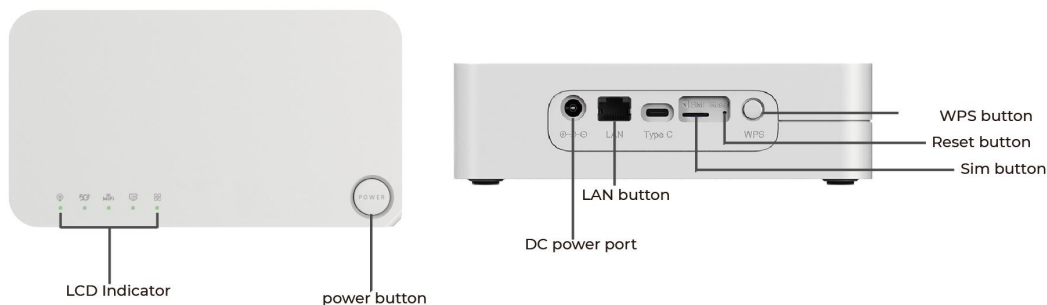
Product Overview

The Wewins C150 is a high-performance 5G indoor CPE designed to deliver fast, stable, and secure wireless broadband for home, office, and enterprise deployments.

Powered by the Qualcomm SDX55 5G chipset and equipped with Wi-Fi 6 (AX1800), the C150 supports dual-band Wi-Fi, Gigabit Ethernet ports, and global 5G/4G frequency bands for maximum coverage and compatibility.

With advanced antenna design, optimized heat dissipation, and enterprise-grade security features, the C150 ensures high-quality connectivity for streaming, gaming, video conferencing, and multi-device operations.

Key Features

LCD Indicator   power button

WPS button
Reset button
Sim button

LAN button

DC power port

Ultra-Fast 5G Connectivity

Delivers high-speed 5G NR performance with support for both SA and NSA, enabling smooth HD streaming, low-latency gaming, and fast data transfers.

Dual-Band Wi-Fi 6 (AX1800)

Supports both 2.4 GHz and 5 GHz Wi-Fi 6 for wider coverage, higher throughput, and stable connections in dense multi-device environments.

Built-in 4×4 MIMO Antenna System

Optimized internal metal antennas ensure strong indoor coverage and increased signal penetration.

Gigabit Ethernet Ports

Equipped with multiple Gigabit LAN ports, supporting wired connections for PCs, TVs, gaming consoles, IP cameras, and set-top boxes.

Global Network Compatibility

Supports a wide range of 5G and 4G LTE frequency bands for worldwide deployment and compatibility with major carriers.

SMS & Phonebook Support

Send and receive SMS, and store up to 500 contacts for convenient communication and management.

Secure and Easy Management

Web-based control panel (192.168.1.1) allows configuration of APN, Wi-Fi, firewall, port forwarding, VPN, device logs, TR069 remote management, and more.

Plug-and-Play Deployment

Simply insert SIM card, power on the device, and connect—ideal for home users, small businesses, temporary setups, or failover backup.

Enterprise-Grade Security

Supports WPA3, firewall protection, MAC filtering, DoS defense, URL filtering, and device isolation for enhanced network safety.

High Reliability for 24/7 Operation

Designed for stable long-term use with improved heat dissipation and protection against high-temperature environments.

Shenzhen Wewins Wireless Co., Ltd.   WEWINS

Technical Specifications

Hardware

Item	Description
Chipset	Qualcomm SDX55 5G Modem Platform
Antenna System	Built-in 6 × 5G/LTE primary antennas Built-in 2 × Wi-Fi 2.4G + 5G antennas
Wi-Fi Standard	Dual-Band Wi-Fi 6 (AX1800) • 2.4 GHz: 574 Mbps • 5 GHz: 1201 Mbps
Wi-Fi Features	OFDMA, MU-MIMO, Beamforming, WPA3
SIM Slot	1 × Nano-SIM (4FF)
Ports	1 × GE Ethernet RJ45 (WAN/LAN) 1 × DC power port (12V/2A) 1 × USB Type-C (debug) 1 × Nano SIM slot 1 × Reset (hidden) 1 × WPS button 1 × Power button
Maximum Power Consumption	17W
Battery (Optional)	4000 mAh
Dimensions	163 × 90 × 45 mm
Weight	~393 g
Material	PC + ABS
Indicators (LEDs)	Signal strength, 5G network status, Wi-Fi status, LAN status, Power/FOTA status
Operating Temperature	0°C – 40°C
Storage Temperature	−20°C – 60°C
Humidity	5% – 95% (non-condensing)

Cellular Network

Frequency bands can be customized based on customer or regional requirements.

Technology	Bands / Specifications
5G NR (SA/NSA)	n1 / n3 / n5 / n7 / n8 / n20 / n28 / n38 / n40 / n41 / n77 / n78
4G LTE	B1 / B3 / B5 / B7 / B8 / B20 / B28 / B38 / B40 / B41s
3G WCDMA	B1 / B5 / B8
MIMO	4 × 4 MIMO (5G/LTE)
Peak Rate	Peak data rates depend on network conditions and platform capabilities.

Wi-Fi

Item	Specification
Standard	Wi-Fi 6 (IEEE 802.11 a/b/g/n/ac/ax)
Frequency	Dual band: 2.4 GHz & 5 GHz
Security	WPA2-PSK, WPA3-SAE
Max Users	Max Wi-Fi Users: Up to 32 devices (configurable)

Software & Functions

- Web UI at http://192.168.1.1
- IPv4/IPv6
- DHCP server/client
- APN auto/manual configuration
- SMS inbox/outbox
- Phonebook up to 500 contacts
- Firewall, DoS protection
- DMZ, UPnP, Port Forwarding
- Parental control / URL filtering
- VPN client (if supported)
- TR069 remote device management
- FOTA (online firmware update)

Operating Environment

Item	Specification
Operating Temperature	0°C – 40°C
Storage Temperature	0°C – 70°C
Humidity	5% – 95% (non-condensing)

Power

Item	Description
Power Input	DC adapter (as per datasheet)
Power Consumption	Defined in technical spec

Quick Installation & Setup

1. Insert SIM Card

Open the SIM slot and insert a Nano-SIM in the correct orientation.

2. Power On

Connect the DC adapter. The power indicator will light up.

3. Connect to Wi-Fi

Find the SSID and password on the product label.

4. Log in to Web UI

Open a browser and visit 192.168.1.1

Default login: admin / admin

5. Configure Network

Set APN (auto or manual), Wi-Fi name/passeord, security settings, etc.

Packaging List

- C150 5G Indoor CPE
- Power Adapter
- Ethernet Cable
- User Manual
- Warranty Card
- Safety Information Sheet

Certifications

- CE
- RoHS
- UN38.3 (battery, if applicable)
- Operator-required certifications available upon request

Scan to Learn More

Company Website

Product Details

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