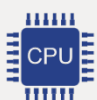# M523

## 5G Indoor CPE
## (Redcap version)

## Overview

Uwin M 523 is a 5G CPE(Recap version) that combines high performance, low cost, and low power consumption. It is aesthetically pleasing, easy to operate, and supports SA network architectures and the 5G Sub-6GHz band.

Supports WiFi 6 standard, with first-class wireless performance, and can be accessed by multiple users. Excellent interface configuration, providing 2 gigabit Ethernet ports for flexible access to other network devices.

Its incredible speed and stability will upgrade your mobile broadband experience, making it ideal for scenarios such as homes and small and medium-sized enterprises.

## Features

**High Performance Processor**
Equipped with a 5G RedCap CPE module designed for high reliability, low latency, large connections, and medium to high rate application scenarios.

**Excellent 5G Technology and Features**
Supports 3GPP Release 17 technology, 5G Standalone Networking(SA) mode and 5G LAN, multi-network slicing, high-precision NR positioning, uRLLC, SUL and other 5G features.

**WiFi 6 Protocol**
Support 2.4GHz and 5GHz dual-band concurrent WiFi 6, peak rates up to 900Mbps.

# Specification

| Basical Information | |
|---|---|
| Model No. | M523 |
| Form Factor | 5G CPE |
| Dimension | 134.0*46.15*104.9mm |
| DC Power Supply | 12V / 1.5A |
| Operating Temperature | -10°C ~ +60°C |
| Storage Temperature | -20°C ~ +70°C |
| Humidity | 5% ~ 95% (non-condensing) |

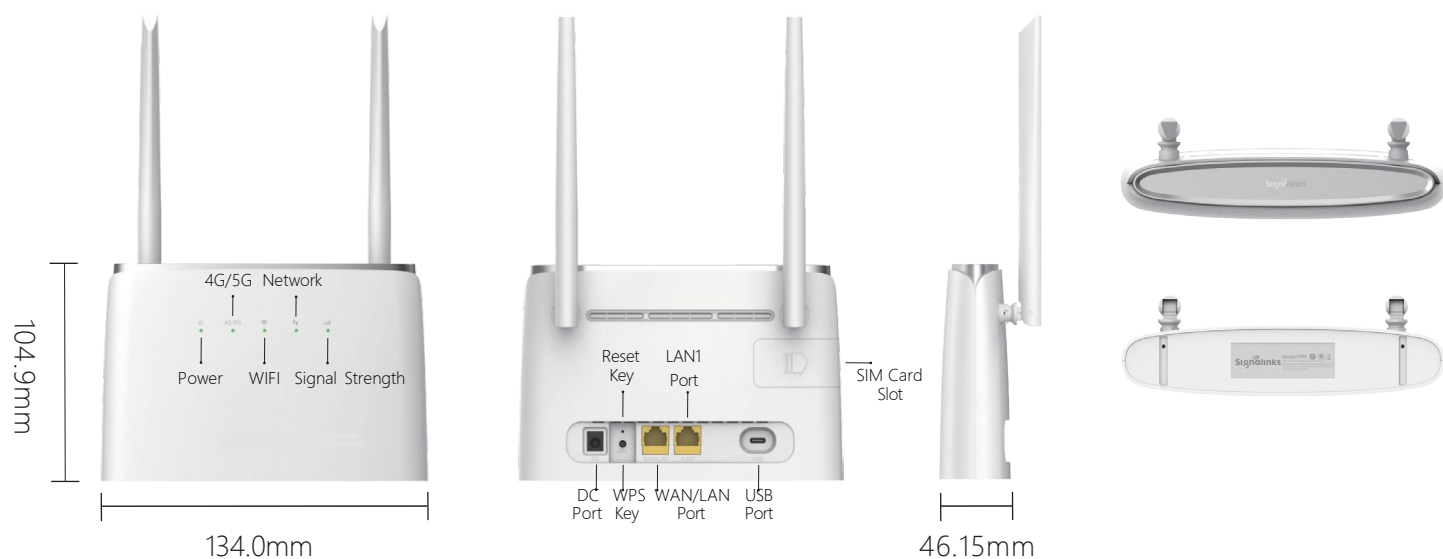| Hardware | |
|---|---|
| CPU | HiSilicon Balong5612 |
| WiFi Chipset | AIC8800D80 + AIC8800DW |
| SIM Card Slot | Nano SIM (eSIM compatible) |
| RJ45 Ports | 2* GE RJ45 (1* WAN/LAN + 1* LAN) |
| RJ11 Port | N/A |
| USB | Type-C |
| ROM | 256MB |
| RAM | 128MB |
| LED Indicators | Power, Network, 5G/4G, Signal Strength, WIFI |
| Buttons | Power, Reset, WPS |
| Battery | N/A |
| Antennas | 2* Cellular, 2* WiFi |

| Cellular | |
|---|---|
| Technical Standard | NR: 3GPP Release 17, Sub 6GHz, LTE: CAT 4 |
| Transmit Power (max) | 5G & 4G: Refer to 3Gpp protocol |
| Peak 5G Throughput | 226Mbps (DL) / 120Mbps (UL) |
| Peak 4G Throughput | 190Mbps (DL) / 90Mbps (UL) |
| MIMO | DL: 2*2, UL: 1*1 |
| Frequency Bands | NR: n1/3/5/8/28/41/78/79<br>LTE-FDD: B1/3/5/8, LTE-TDD: B34/38/39/40/41<br>WCDMA: B1/5/8 |

| Wi-Fi | |
|---|---|
| Standard | 802.11 a/b/g/n/ac/ax, 2.4GHz & 5GHz (DBDC), 1T1R+1T1R |
| Peak Throughput | 900Mbps |
| Security Protocols | OPEN, WPA2-PSK, WPA2-PSK/WPA-PSK, WPA3-SAE |

# Appearance

4G/5G  Network

Power  WIFI  Signal  Strength

104.9mm

134.0mm

Reset
Key

LAN1
Port

SIM Card
Slot

DC
Port

WPS
Key

WAN/LAN
Port

USB
Port

46.15mm

# Application Scenarios

Home Entertainment

Company Meeting

Provision of Network for Cafe

Outdoor Large-scale Events