

# MKGW8

## Indoor LTE Gateway



MOKO SMART



Dual WiFi/  
Ethernet/LTE



Intelligent network  
switching



POE cascading/DC  
power supply



Powerful data  
processing capabilities  
based on Linux



Supports multiple  
data filters



Upgrade firmware  
over-the-air

## Bluetooth Gateway

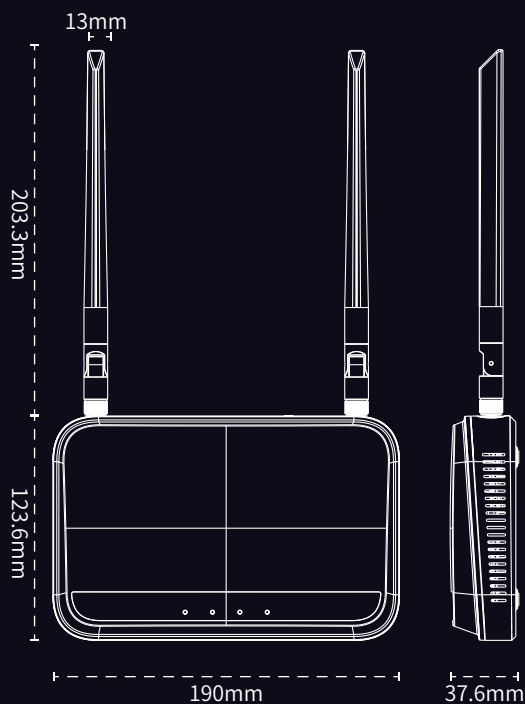
Enhanced BLE Scanning  
Seamless Connectivity

MKGW8 is a Linux-based BLE Gateway supporting Ethernet/WIFI/4G backhaul networks. Its dual Bluetooth modules enable excellent BLE scanning capabilities, compatible with various beacons and flexible filters to upload expected data. Supporting both DC power and POE cascade, MKGW8 is easy to be installed in any situation. Multiple supporting networks and powerful scanning ability make MKGW8 a wonderful choice for real-time location service, condition monitoring, assets tracking and personal safety management.

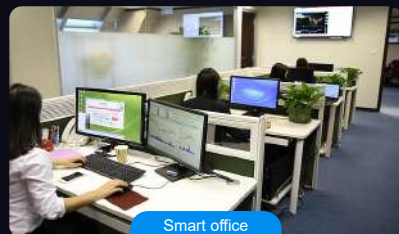


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## Application Scenarios



## Categories

| Categories    | Parameter             | Value  |
|---------------|-----------------------|--|
| Mechanics     | Material              | ABS+PC   |
|               | Color                 | White  |
|               | Dimension (L*W*H)     | 1.69 x 0.97 x 0.45 inches (43.0x 24.7 x 11.4 mm)       |
|               | LED indicator         | 1* intelligent RGB LED+3* LED                          |
|               | Button                | 1*reset button   |
|               | Interfaces            | 1*TF card, 1 SIM card, 2*RJ45                          |
| Environment   | Antenna               | 2* BLE antenna   |
|               | Battery               | None   |
|               | Operating temperature | -20 °C~ 50 °C  |
|               | Storage temperature   | -30 °C~ 70 °C  |
| Power         | Humidity              | Maximum 95% non-condensing RH                          |
|               | External Power        | 12V/2.5A   |
|               | MCU                   | MT7628   |
| MCU           | Flash                 | 32M  |
|               | RAM                   | 128M   |
|               | Band                  | 2.4GHz/5GHz (5GHz optional)                            |
| Wi-Fi         | Protocol              | 802.11 b/g/n   |
|               | Security              | OPEN/WEP/WPA_PSK/WPA2_PSK/WPA_WPA2_PSK/WPA2-Enterprise |
|               | Module                | ESP32-C3-MINI 01*2                                     |
| Bluetooth     | Bluetooth Protocol    | BLE 5.0 (support 1M/2M/Coded LE PHY)                   |
|               | Bluetooth Mode        | Scanning and advertising                               |
|               | Protocol              | HTTP/MQTT V3.1.1                                       |
| Communication | Encryption            | SSL/TLS  |
|               | Format                | JSON   |