

## MWC05 Safety Location Smart Badge

Maintaining visibility in hospitals, construction sites, and other high-pressure environments is challenging. Signal blind spots and badge overload increase risk. The MWC05 smart badge combines GNSS, BLE, and Wi-Fi Scan in an ultra-thin form factor that works with existing ID cards, delivering seamless indoor-to-outdoor coverage that protects people and keeps operations moving without interruption.








### From Deep Indoors to the Open Field

The MWC05 intelligently switches between GNSS, BLE, and Wi-Fi Scan for optimal positioning. With hardware support for Bluetooth Channel Sounding, it enables future upgrades for centimeter-level distance awareness and enhanced hybrid positioning precision.

- ✓ BLE / Wi-Fi Scan / GNSS Positioning
- ✓ Bluetooth Channel Sounding Supported

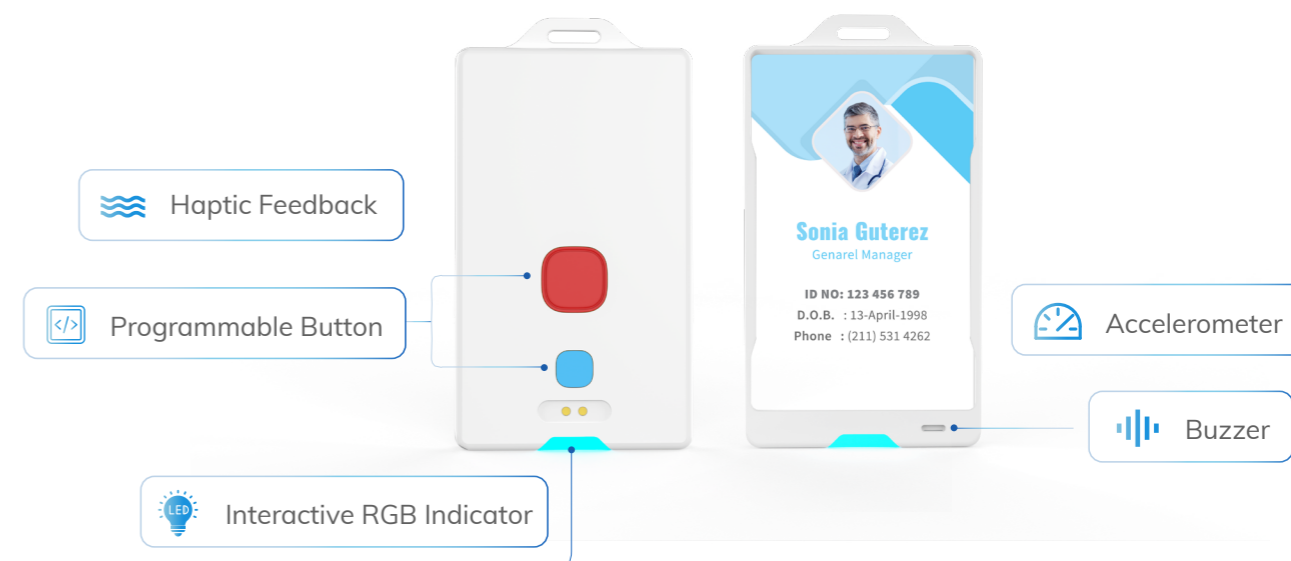
### KEY FEATURES ▶

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**Frictionless ID Badge Integration**  
 Uses a thin card holder that accepts standard CR80 ID badges, letting staff insert their existing work ID to avoid extra devices and reduce badge clutter.
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**Dedicated Buttons for Precision Response**  
 Dual buttons distinguish between emergencies and routine requests. Immediate sensory feedback (sound, light, and vibration) confirms help is coming or a task accomplished.
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**Adaptive Power Management**  
 Built on the nRF54L15 chipset, the MWC05 features periodic and movement-based reporting to optimize power usage. These smart modes ensure stable location visibility and minimize maintenance.
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**Zero Data Loss Tracking**  
 Local storage prevents data loss in network dead zones. The MWC05 records trajectories offline and lets you export data via the MinewLink app for review, ensuring complete, audit-ready records.
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**Proactive Safety & Real-time Intelligence**  
 The MWC05 features a prominent RGB LED strip that signals proximity risks or unauthorized entry via seven distinct colors. Its buzzer and haptic motor provide multi-sensory alerts, supporting remote triggering for urgent site-wide notifications and evacuation commands.

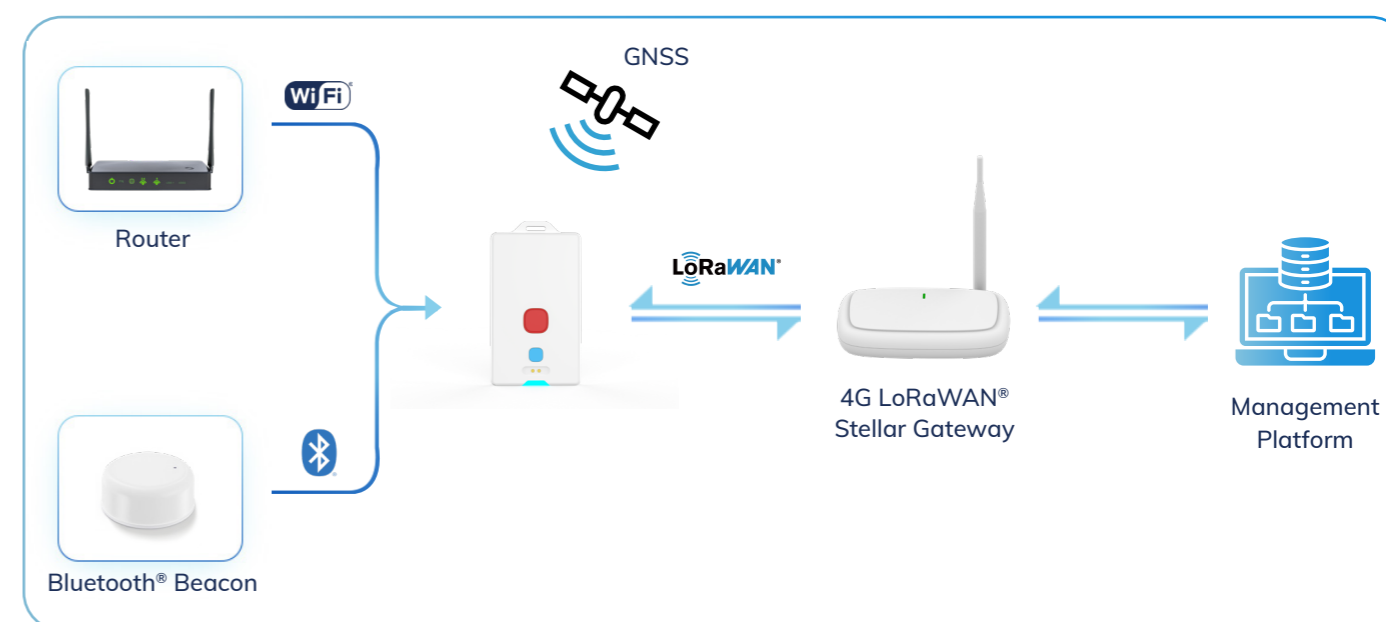
### APPLICATION SCENARIOS ▶



## Clear Feedback & Confident Actions



### How It Works



## Optimized Wearing for Task-Specific Safety



**Clothing-Clipped**  
Clips securely to uniforms or workwear, stays stable during movement, and keeps the emergency button fixed and easy to reach when every second counts.



**Lanyard-Ready**  
Works naturally with standard lanyards, hangs comfortably for long shifts, and offers a low-profile fit with fast deployment, making it ideal for campuses and large teams.

Model	Model
Chipset	nRF54L15
Battery Capacity	800mAh (rechargeable battery)
Positioning Method	GNSS / BLE / Wi-Fi Scan
Sensor	Accelerometer sensor
LED	RGB (7 colors)
Buzzer	Yes
Button	Dual buttons (SOS & programmable)
Local Storage Capacity	Up to 5,000 Records
Configuration	MinewLink App
Transmission Power	Max. 22dBm
Power On	Hold the red button for 3 seconds

