

LoRaWAN SocketSync Proximity Gateway

Enhance indoor safety and tracking precision with the SocketSync Proximity Gateway. Combining [Bluetooth 5.0](#) and [LoRaWAN technology](#), this compact device not only collects and forwards BLE sensor data to the [LoRaWAN](#) network but also alerts you with buzzing and flashing when a Bluetooth beacon enters a predefined proximity range. By calculating distance based on the signal strength (RSSI), the SocketSync Proximity Gateway helps you protect sensitive areas, manage high-value equipment, and monitor personnel in real time. Thanks to its configurable alarm range, adjustable reporting intervals, and robust power options, this gateway provides a versatile solution for security, asset management, and workflow efficiency across diverse indoor scenarios.

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FEATURES

What Makes it Unique

Proximity-Based Alarms

Trigger buzzer and LED flash alerts when [beacons](#) cross a customizable RSSI threshold, enhancing on-site safety and security.

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Indoor Tracking & Geo-Fencing

Monitor movement within defined areas and receive notifications if assets, personnel, or visitors breach preset boundaries.

LoRaWAN & Bluetooth 5.0 Integration

Enjoy wide-area, cost-effective connectivity without compromising on low-power, long-range performance.

Easy Installation & Power Options

Comes with AC power support (85–305VAC), a rechargeable 300mAh battery for temporary power outages, and a compact ABS housing for simple mounting.

FOTA Over Bluetooth

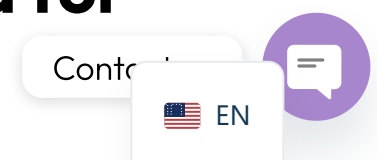
Keep your device up to date with over-the-air firmware upgrades for continuous improvements in performance and security. Wide power supply - 85~305VAC

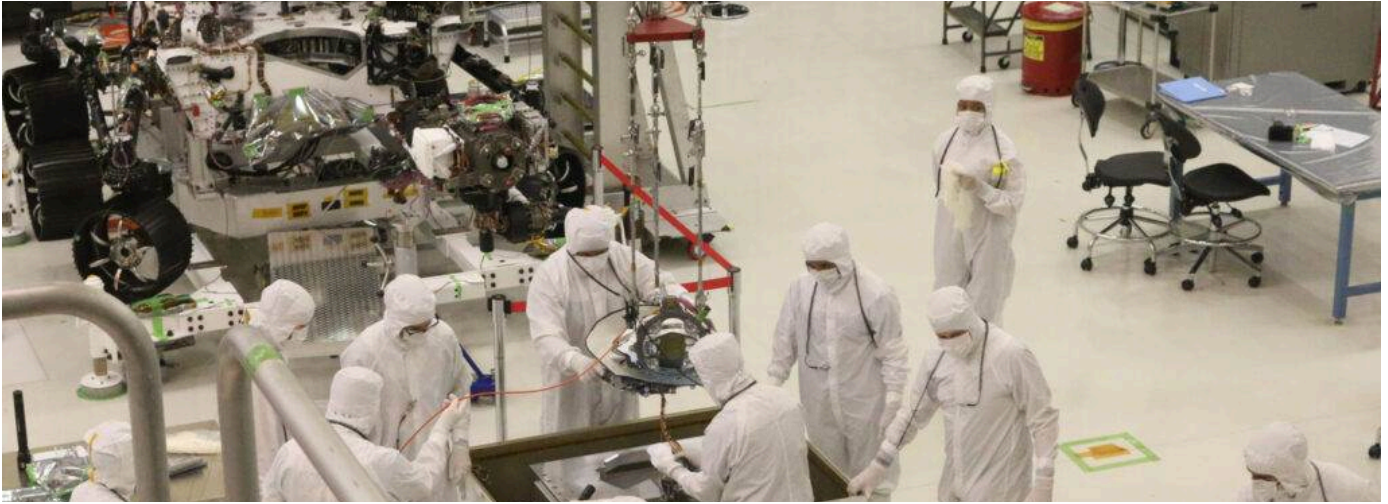
Customizable Reporting

Adjust alarm duration, heartbeat intervals, beacon report frequency, and Bluetooth payload settings to match your operational needs.

USE CASES

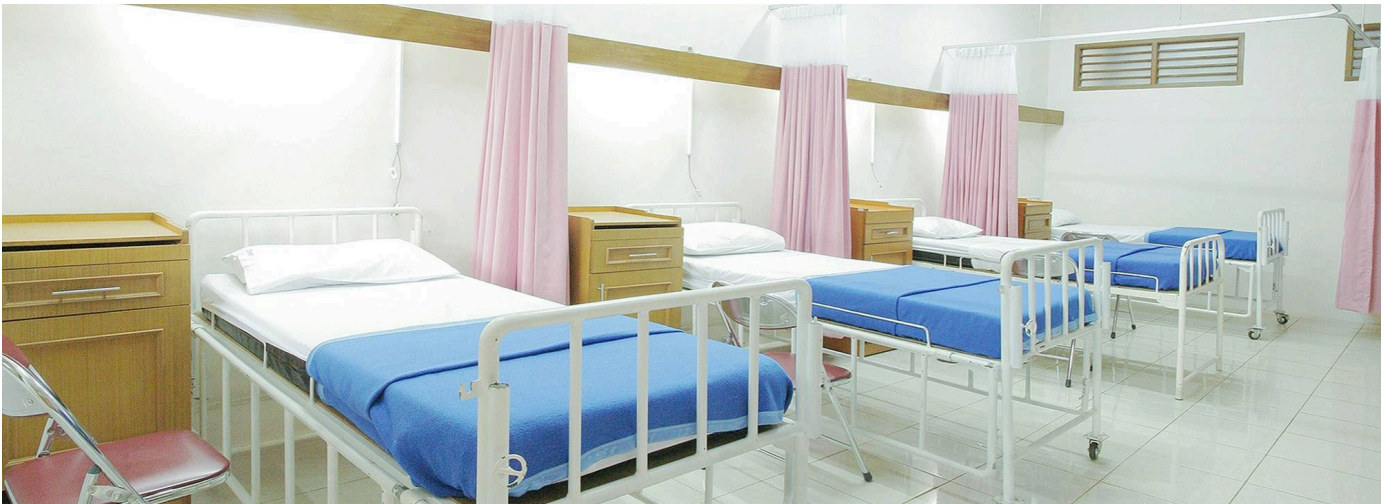
Where it Could be Used for





Personnel Safety & Access Control

Automatically alert staff if someone enters a restricted zone, or if a lone worker remains stationary for too long—ideal for office buildings and industrial settings.



Hospital & Laboratory Monitoring

Safeguard sensitive equipment and areas like labs or quarantine zones by setting proximity-based alarms that activate when unauthorized or untagged personnel approach.

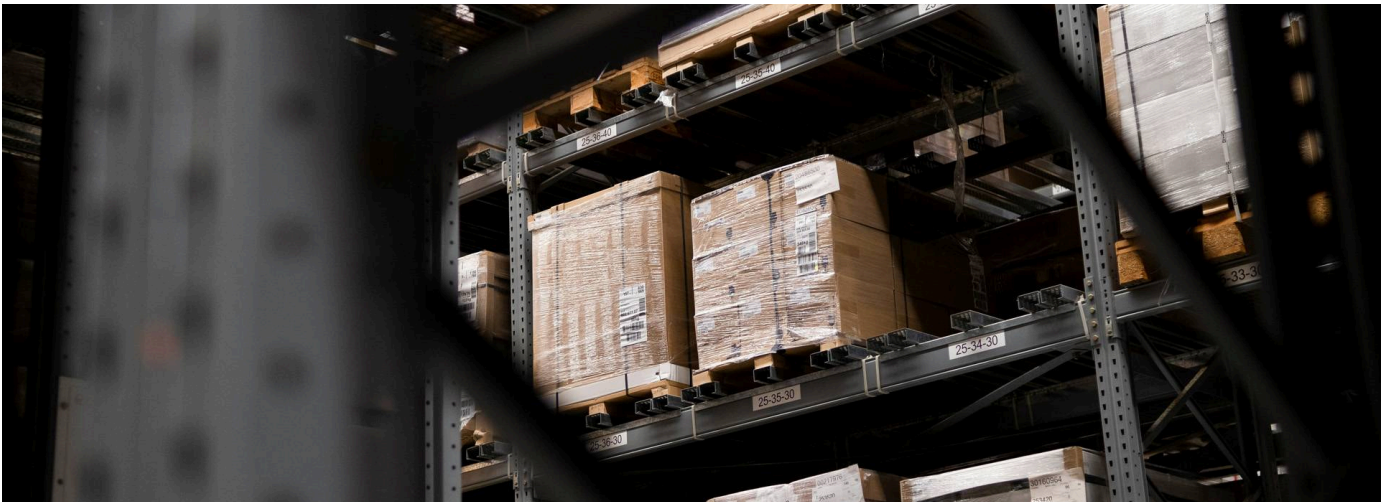
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Event Management

Deploy the gateway at entrances or designated sections to control crowd flow, prevent bottlenecks, and enhance attendee safety with immediate, on-the-spot alarms.



Warehouse Collision Avoidance

Minimize accidents by alerting forklift operators or warehouse staff when they come too close to one another or to restricted aisles, preventing collisions and enhancing on-site safety.

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Real-Time Retail Security

Monitor high-value merchandise in retail stores; trigger on-site alarms and remote notifications if inventory items are moved without authorization.

RELATIVE ARTICLES

More Cases

LANSITEC®

TRACKING SOLUTION

Our solution help you to locate your assets and personal, improve safety and efficiency, and bring the cost down

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📅 April 16, 2020

Proximity Detection & Alarm Solution

LANSITEC®

NEWS

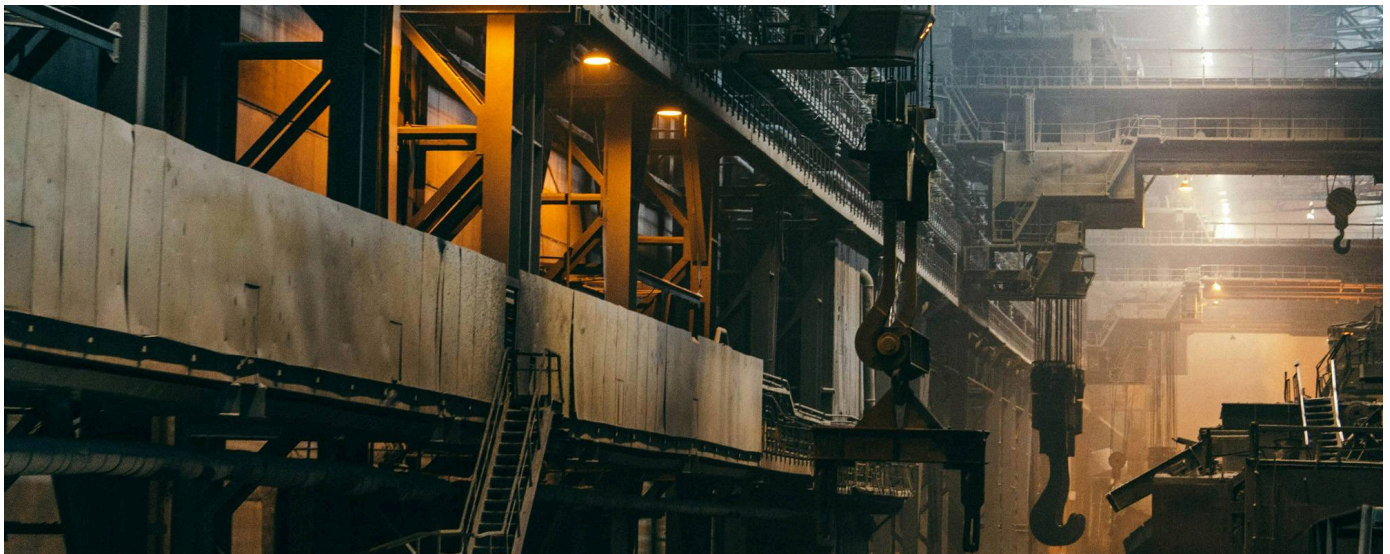
Lansitec Introduces Macro Proximity Sensor



www.lansitec.com

📅 October 12, 2024

Macro Proximity Sensor for Asset Tracking and Proximity Monitoring



📅 October 16, 2024

Macro Proximity Sensor for Industrial Applications

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TECHNICAL DETAILS

Product Specifications

Mechanics

Dimension 81*61*26mm (45mm, with the mounting lug)

Operating Temperature -10 ~ +60°C

Storage Temperature -45°C ~ +85°C

Operating Humidity 0% ~ 95% (non-condensing)

Housing Material ABS with fire retardant

Power

Battery Li-ion rechargeable battery, 300mAh

AC Input 85~305VAC

Standby Current 5mA

Max. Current 200mA

Switch Mechanical

Status LED Support

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LoRaWAN

LoRaWAN Protocol	LoRaWAN 1.0.2B
LoRa Frequency	US915, AU915, EU868, EU433, AS923, RU864, KR920, IN865, CN470
LoRa TX power	0 to 20dBm
LoRa Sensitivity	-139dBm @SF12, BW125kHz, 434MHz/470MHz -137dBm @SF12, BW125kHz, 868MHz/915MHz
LoRa Communication Distance	>1.5km in the urban area
Encryption	300~30K

Bluetooth

Protocol	Bluetooth 5.0
TX Power	4, 0, -4, -8, -12, -16, -20dBm
Sensitivity	-96dBm
Receiving Range	50m

Functions

Alarm RSSI Threshold	Default: -65dBm, adjustable
Buzzer Volume Level	0 (silent) to 4 (maximum)
Buzzer Duration	10s x n (1 to 255)
Adjustable Position Report Interval	5s x n (1 to 65536)
Heartbeat Report Interval	30s x n (1 to 255)
Adjustable Bluetooth Payload to be reported	Filter any data bytes in a Bluetooth payload and report any via LoRaWAN

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FOTA over Bluetooth

Support

Switch

Mechanical

Max. Beacons Supported

105*, maximum of 15 beacon messages at one single LoRaWAN package @SF9

* Please reach out to us if more are needed.

Certification

CE, FCC, RCM

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