

LoRaWAN Tracker



Product overview

The Macnman LoRaWAN Asset Tracker is a highly sophisticated device engineered for the meticulous monitoring and management of assets across a range of industries. Utilizing the advanced STM32WL series SoC for LoRaWAN communications and the nRF52 series SoC for Bluetooth Low Energy (BLE) functionality, this tracker is optimized for dual-mode wireless connectivity to ensure comprehensive coverage and exceptional reliability. An integral SOS button enhances safety by enabling immediate alerts to be sent to the server during emergencies.

Key Features

Dual Wireless Technology

Equipped with STM32WL for robust LoRaWAN connectivity and nRF52 for seamless BLE integration, facilitating broad and flexible application use. Wi-Fi positioning is optional.

Emergency SOS Button

Provides a critical safety feature, allowing the user to send an immediate alert to central servers by pressing a dedicated SOS button, ensuring swift response actions.

Extended Battery Life

Engineered for efficiency with a power management system that supports long-term deployment on a single set of batteries, reducing maintenance frequency and cost.



Adaptable Installation Options

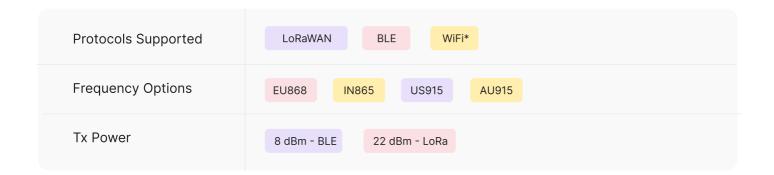
Supports multiple mounting mechanisms including wall screws, adhesive tape, and cable ties to accommodate various installation surfaces and environments.

Rugged Construction

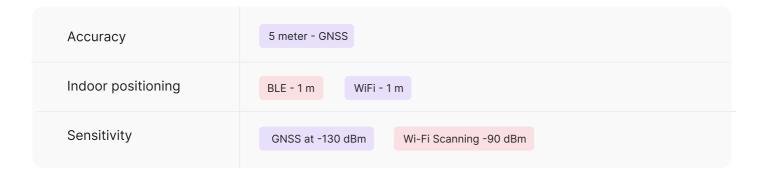
Crafted to withstand extreme conditions, boasting IP67 certification for water and dust resistance, along with IK09* rating for protection against impacts and rough handling.

Specifications

Wireless Transmission



Positioning and Tracking





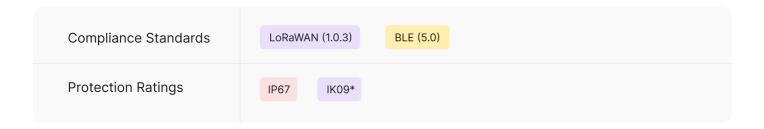
Environmental Resistance

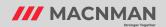


Physical and Power Characteristics



Regulatory Compliance and Certifications





Use tracker for

Personal	Cattle	Crates	Industry	Forklifts	(X) Geofencing
ال ال Assets	Rescue	°_ ∏∰ Warehouse	+ Medical	Agricultural	Carts

