

LoRaWAN Flex Tracker

Achieve ultimate installation flexibility with the LoRaWAN Flex Tracker. Built with a soft, adhesive-friendly silicone gel base, this device effortlessly attaches to curved, uneven, or cylindrical surfaces, making it perfect for tracking tools, medical supplies, or equipment with non-flat exteriors. Measuring just 50x37.4mm, and compatible with cylinders having a diameter of 35 to 45mm. It can last up to 10 years with 3 LoRa messages per day in typical usage scenarios.



Attach Everywhere

This tracker effortlessly attaches to curved, uneven, or cylindrical surfaces

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.

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.

SCENARIO



HOSPITAL ASSET TRACKING

Monitor crucial medical tools—like infusion pumps and diagnostic devices—and ensure they're located, maintained, and deployed efficiently.

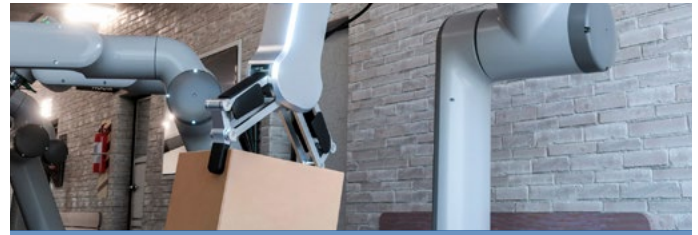


WAREHOUSE & INVENTORY OPTIMIZATION

Track pallets, forklifts, or valuable goods within a busy warehouse environment. Leverage the gateway's long-range connectivity to reduce misplaced items and streamline operations.



GENERAL ASSET MANAGEMENT



RENTAL & LEASING MANAGEMENT

Keep tabs on critical inventory—even in remote sites—by leveraging LoRaWAN for wide coverage and Bluetooth for detailed proximity data.

Affix a disposable label to equipment or assets on short-term leases, offering accurate usage data and location without long-term commitments or high operational costs.

SPECIFICATIONS

LoRa

Activation Mode	OTAA/ABP
Protocol	LoRaWAN 1.0.2B
LoRa Frequency	US915, AU915, EU868, EU433, AS923, RU864, KR920, IN865, KZ865, CN470
LoRa TX power	0 to 20dBm
LoRa Sensitivity	-137dBm @ SF12, BW 125 kHz, 868MHz/915MHz
LoRa Communication Distance	>1 km in an urban area
Encryption	AES128

Bluetooth

Bluetooth	5.0, iBeacon
TX Power	-20 to +4 dBm TX power, configurable in 4 dB steps
Advertise Interval	100ms to 10s
Sensitivity	-96dBm
Transmission Distance	150m sight distance
Antenna	PCB Antenna

Physical Parameters

Dimension	75x22mm (LxW), compatible with cylinders having a diameter of 20mm
Weight	10g
Housing Material	Silicone gel
Ingress Protection	IP67
Operating temperature	-10°C~+60°C

Power

Battery	CP601835, 780mAh, Non-replacable battery
Standby time	10 years (3 LoRa message per day)
Standby current	5µA
Max. Current	80mA (10dBm)

Function

Magnet Button	Support
Status LED	Support
FOTA over Bluetooth	Support
Battery level report	Support

Certification	CE, to be obtained
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ORDERING INFORMATION

Product Description	Part Number
Flex tracker, LoRaWAN, Beacon 5.0, GNSS, iBeacon, silicon gel, 75x22mm, 780mAh	100-00FT1