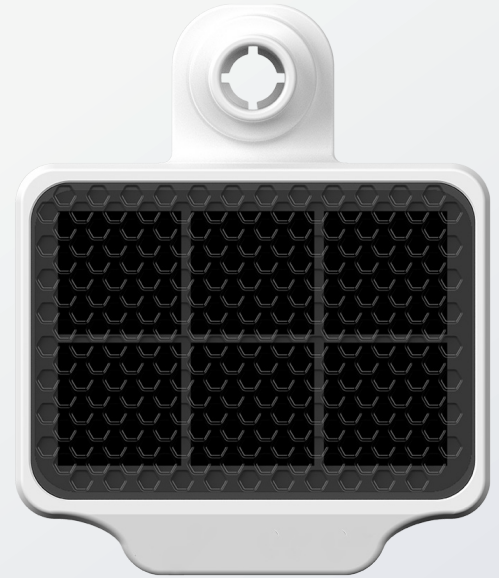




## Motion-Based IoT NTN Tracker

# LIVESTOCK TRACKER



## PRODUCT DESCRIPTION

The Livestock Tracking NTN Tag is a rugged, lightweight and animal-friendly tracking device designed for reliable livestock monitoring in remote and outdoor environments

The device combines multi-network connectivity options, including Cat-1 LTE 4G, LoRaWAN, and NTN, enabling flexible deployment even in infrastructure-limited areas. Integrated GNSS positioning supports precise outdoor location tracking, while geo-fence alerts help notify users when animals leave defined areas.

The tracker is equipped with advanced sensing functions such as motion detection, step counting, still checking, and chasing monitoring. A rechargeable battery with solar panel support enables long-term operation for livestock, agricultural asset monitoring, and smart farming applications.

## APPLICATIONS

- Livestock Tracking & Monitoring
- Asset Tracking in Agriculture
- Industrial IoT & Smart Farming

## FEATURES

- BLE iBeacon-compatible communication
- Motion-based tracking via 3-axis accelerometer
- Dual operating modes (Periodic / Autonomous)
- Ultra-low power consumption
- Configurable advertising interval and TX power
- No-movement reporting (24h beacon signal)

## TECHNICAL DATA

### POSITIONING & COMMUNICATION

GNSS	BDS / GPS / GLONASS / QZSS / SBAS
GNSS Accuracy	<2.5 m CEP
Cellular	Cat-1, NB-IoT, LTE-M
NTN	N255 / N256
LoRaWAN	LoRaWAN 1.0.2B
LoRaWAN Frequencies	EU868, US915, AU915, AS923, IN865, KR920, RU864, CN470
Bluetooth	Bluetooth 5.0, iBeacon
Bluetooth Range	Up to 150 m line of sight
SIM	Nano SIM or eSIM

### POWER

Battery	150 mAh rechargeable Li-ion battery
Battery Life	100 GPS reports
Solar Panel	55 × 39 mm, 0.34 W
Standby Current	10 µA
GPS Positioning Current, Average	30 mA average

### OPERATING TEMPERATURE

Operating Temperature	-10 °C to +65 °C
Storage Temperature	-20 °C to +80 °C

### FEATURE

Sensors	3D accelerometer
Motion Functions	Step count, Run detection, Still checking
Geo-Fence	Supported
Alarms	Geo-fence, still checking, chasing monitor
Configuration	Bluetooth / mobile app
FOTA	Supported over Bluetooth
Button	On / Off
LED	Red / green status indication

### PHYSICAL SPECIFICATIONS

Dimensions	60 × 44 × 15 mm
Weight	32 g
Installation	Screw Fixation Adhesive Tape Metal Wire Strap
Housing Protection	IP66
Housing Material	PC and ABS

## ORDER CODES

### VERSIONEN

Livestock NTN Tracker
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### ORDER CODES

IOT-TR-LO-AN-4201
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