seeed studio

INDUSTRIAL PRODUCT DATASHEET

Loko GPS Tracker - GPS tracker with LoRa P2P and LoRaWAN - Ultra-lightweight at only 14 grams

[image] Loko is an advanced, ultra-compact offline GPS tracking system utilizing LoRa (Long Range) radio technology for extended-range communication without cellular infrastructure dependency.

SKU	UPDATED	PRICE
114993393	2026-11-11 06:40:03	$119.00(Excl. VAT)



Overview



[image] Loko is an advanced, ultra-compact offline GPS tracking system utilizing LoRa (Long Range) radio technology for extended-range communication without cellular infrastructure dependency. This dual-unit system comprises a compact transmitter (30 x 22 mm, 14g) and a receiver, offering precise geolocation services with a 15+ km operational radius.This product is a co-create collaboration with Seeed Studioandnolilab

Key Features

01 **No cellular signal or internet required**

02 **Accurate Metrics**

Get detailed latitude, longitude, altitude, and speed information.

03 **Real-Time Tracking**

View precise GPS locations instantly.

04 **Offline smartphone app iOS/ Android**

05 **No monthly fees**

06 **15+ km range (tested in open area)**

07 **Up to a year battery life in a single charge (Air unit)**

08 **Tracks up to 30 Air units per Ground unit (Multi Connection)**

09 **Open-source with developer-friendly features**

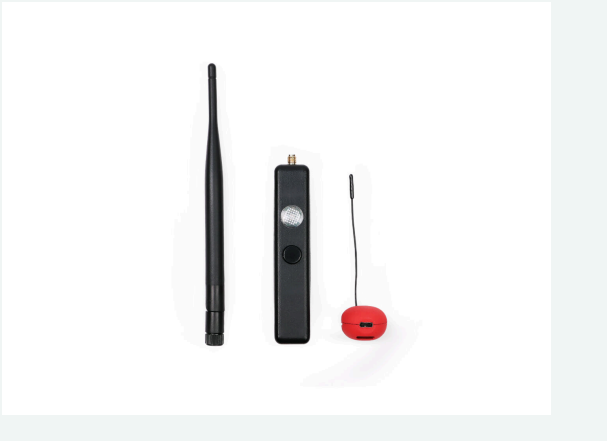
10 **LoRaWAN and LoRa P2P communication**

11 **Data logging and history recording capability**

12 **Offline Maps**

Navigate with pre-downloaded OpenStreetMap areas—no internet required.

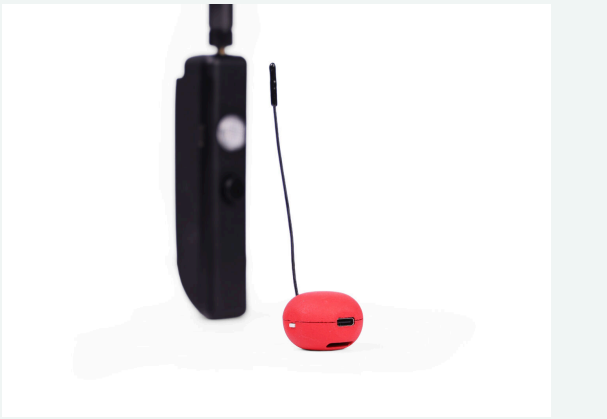
Product Gallery











Hardware Overview






SMA ANTENNA PORT
RGB LED INDICATOR
ON/OFF BUTTON


USB TYPE-C
CHARGING
& COMMUNICATION

Applications

- 1. Outdoor and Adventure Sports
- Drone recovery in remote areas
- Tracking of land-based extreme sports equipment (e.g., mountain bikes, snowboards)
- Hiker and mountaineer safety monitoring
- Off-road vehicle tracking for rallies and expeditions
- 2. Wildlife and Environmental Research
- Terrestrial animal migration pattern tracking
- Endangered land species monitoring
- Ecological study of remote land habitats
- Tracking of research equipment in arid or forested environments
- 3. Asset Management and Logistics
- Remote equipment tracking on construction sites

Resource Links

- https://www.seeedstudio.com/Loko-GPS-Tracker-p-6261.html
- Nolilab Official Website
- User Manual
- How to Upgrade Loko Firmware
- Loko AIR Online Configurator
- What are LoRa P2P and LoRaWAN?
- Loko APP-iOS
- Loko APP-Android
- Loko APP Installer Package

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