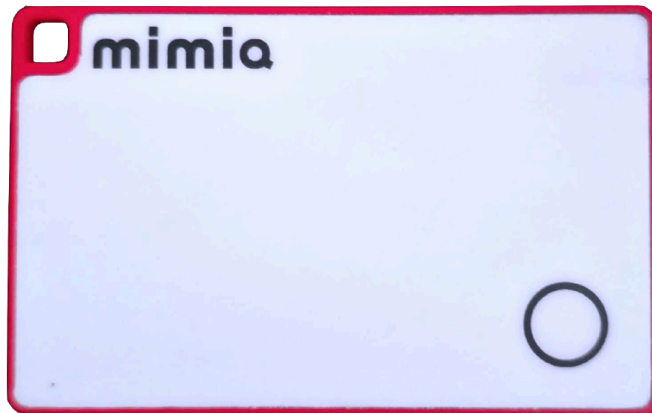


Mimiq Track

Product Datasheet & User Guide v2.2



Product Overview

Mimiq Track is an ultra-thin, credit card–sized asset tracker designed for large scale logistics and field operations. Built to operate without SIM cards, it leverages multi-network connectivity to deliver reliable, low-cost tracking across regions, making it ideal for container fleets, returnable assets, and equipment.

Key Features

Credit card form factor

Slim enough to fit inside pallets, envelopes, or equipment without impacting operations.

Long battery life

Optimized for low-power operation, enabling extended deployments without frequent maintenance.

SIM-free connectivity

Operates without cellular by using decentralized and shared networks.

Global deployment ready

Works across regions without SIM, roaming issues, or carrier dependencies.

Installation and Operation

Charging

Before use, charge the device using a Track Charging Adapter. 5V USB charging power should be input to the Track Charging Adapter from any USB compatible charger.

Installation

Mimiq Track is designed for asset tracking in logistics and field applications. The device may be placed with or attached to the asset being monitored. Its slim form factor allows use with pallets, containers, equipment, and similar assets.

For certain field applications, the device may also be carried by personnel. In these applications, carrying the device in proximity to compatible environmental sensors allows the device to detect and collect available sensor information.

When carried close to the body, maintain a minimum separation distance of 5 mm between the device and the user.

Operation

Mimiq Track is designed to provide asset tracking functionality with minimal user interaction.

The device is typically delivered in an active state. Depending on the deployment configuration, activation may require pressing the device push button.

Once activated, the device operates automatically. Its wireless functions are used to support asset tracking, communicate with compatible nearby devices or sensors, collect available sensor information, and transmit collected data through the available network connection.

Specifications

Product Name	Mimiq Track
Product Model	MT-0716
LoRa Chipset	Semtech LR1110
Core	ARM 32-bit MCU
Flash Memory / RAM Size (bytes)	1 M / 256 K
LoRa® Frequency Band Support*	US915, EU868
Network Connectivity	LoRaWAN® Network Server Providers
Device Connectivity	Bluetooth 5.2

Main Hardware

Material	PARA GF50, polyester
Color	Matte White
Operating Temperature	-20°C – 60°C

Electronic Design

Embedded Sensors	3-axis accelerometer
Buzzer / Alarm	80 dB SPL piezo buzzer
Tactile Button	Programmable

Battery

Battery Type	Li-Po battery
Battery Capacity	190 mAh
Nominal Voltage	3.85 V

Accessories

Track External Adaptor	External adapter used to charge the device from USB-C
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Hardware and Mechanical Design

The outer dimensions of Mimiq Track are: 3.346 x 2.126 x 0.126 in (85 mm x 54 mm x 3.2 mm)

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure.

Canadian Compliance Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada license-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : 1) L'appareil ne doit pas produire de brouillage; 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTE: This equipment has been tested and meets the applicable limits for radio frequency (RF) exposure under RSS-102.

REMARQUE: Cet équipement a été testé et respecte les limites applicables pour l'exposition aux radiofréquences (RF) sous RSS-102.



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<https://mimiQ.io/contact-us>