

UTRACK HAWK - SIGFOX TRACKING DEVICE



The HAWK is an application ready Sigfox enabled GPS tracker. This compact and rugged unit is perfectly suited for asset tracking applications. The HAWK provides connection to a national and global Sigfox network infrastructure for reliable and secure communication. Powered by a long-life Li battery, it allows standard autonomy up to 5 years+ (depending on configuration) and is ideal for tracking powered or non-powered assets. Tracking settings are configurable which allows for flexibility depending on its application. The compact size (roughly the size of a PC mouse) makes it easily concealable and allows for hassle free self-installation. It can be used to track vehicles, high value equipment, trailers, boats, caravans, high value shipments, parts, golf carts, motor bikes, mobile rental equipment etc. With added sensors such as temperature and accelerometer movement detection, the applications are endless. Since this unit's communication is not GSM based, but Sigfox enabled, it is also ideal as a back-up tracking unit for traditional GSM based Vehicle tracking units which are vulnerable to GSM signal jamming.

Highlights

- Location and sensor data
- through Sigfox compliant radio networks
- Rugged IP67 enclosure
- Fully internal battery powered
- Long range connectivity
- Low cost low power design with up to 10-year autonomy
- Small & compact, easy to conceal
- Support for anti-tamper sensors

Performances

SF RF power: 14dBm (25mW)
SF RF sensitivity: up to -127dBm
GPS sensitivity tracking: -158dBm
GPS sensitivity navigation: -157dBm

Warnings

Battery end of life
Tamper, Temp, Crash & Fall Detection

Firmware

SIGFOX network protocol
Transmission cycles: 2, 50, 100 or 140
update links per day
Data encryption: AES128 (Optional)

Peripherals

Accelerometer
GPS
BLE (Bluetooth)
Digital & Analogue IO
Air Quality Sensor
Ambient Light
Temperature & Humidity Sensors

APPLICATIONS

Easily fitted to or concealed in High Value Assets,

GENERAL INFORMATION

Operating temperature: -20 °C / +65 °C
Mounting Options: Screws, rivets, double-sided tape or epoxy
Dimensions: 110 x 58 x 30 mm
Weight: 100 grams
Housing: IP67
Antenna: All Integrated (Internal)
Standards: ICASA, EN 300-220, EN 301-489, EN 60950; CE
The device is available for RC1 (Europe, Middle East & South Africa)
All other zones will be supported soon.

Software & Data management

Device data transmitted via the Sigfox cloud infrastructure to the back-end server platform for processing and reporting is provided as a standard. A custom platform with built-in device support can be provided or easily integrate the device into your own platform.

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