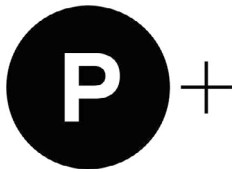


Product Summary

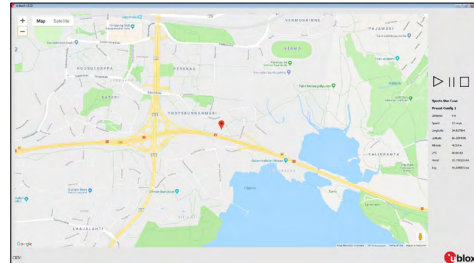
u-track



Software tool for low power tracking

Low power tracking within 15 minutes

- Reduces development complexity thanks to ready-to-use application code
- Plug-and-play solution to reduce time-to-market
- Optimized presets for testing different use cases, such as sport, people, and asset tracking
- Optimized low power GNSS and LTE Cat M1/NB1 solution
- User-friendly dashboard to log, retrieve, and visualize the power, accuracy, and TTF



Product description

u-track is a software tool that replicates a real low-power tracking application. Within 15 minutes of installing it, the user can see the first results. It covers three main use cases (sport tracking, people tracking and asset tracking) with optimized presets and is based on the most power-optimized GNSS and LTE Cat M1/NB1 u-blox technology.

It is designed to easily record and visualize logs, including power consumption.

The solution is composed of embedded firmware that runs on compatible hardware and the u-track application software that runs on a PC.

u-track includes

Easy-to-configure real time tracking application to run on compatible hardware

Three use cases, each with varying battery requirements:

- sport tracking (hours of battery life)
- people tracking (days of battery life)
- asset tracking (month of battery life)

Seven optimized preset configurations

Extended configuration settings for many more trial combinations

Option to use replay box for GNSS RF signal instead of an antenna

Access to onboard logging (requires an SD card inserted in the compatible hardware)

Visualization of most relevant data: power consumption, TTF, accuracy

Map view

Embedded firmware update

Embedded firmware: extended GNSS and Cellular APIs, SD card API, AssistNow A-GNSS client

Configuration and control options

With u-track, the user can start a tracking application in no more than two clicks, thanks to its optimized preset configuration. It also provides access to extended configurations for testing many other combinations and for discovering what's best for specific applications.

Embedded real time tracking application

u-track enables the automatic download of the latest embedded application available for the compatible hardware and then runs it seamlessly. The real time application logs data on a regular basis (depending on required battery life and position accuracy) and reproduces a sport, people or asset tracking scenario. A developer can seamlessly reuse the application code and its APIs to build a new device in little time. Libraries are compiled to work with the Mbed® real time environment, but can also be migrated easily to any other real time SDK available on the market.

Data analysis

u-track allows the user to have access to the most important parameters for a decision maker: power consumption and position accuracy. It also provides access to distance travelled and velocity, as required for sports applications. Power consumption data includes GNSS and LTE CatM1/NB1 (if applicable).

Operating systems

u-track supports PCs running Windows Vista onwards (x86 and x64)

Compatible hardware

C030-R410M

Ordering information

u-track is available free of charge and can be downloaded from our website.

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For more product details and ordering information, see the product data sheet.