Product summary

CloudTrack

Ultra-low-power asset tracking service

CloudTrack is a unique end-to-end asset tracking service that provides the ultimate in ultra-low-power meter-level location and global connectivity for IoT asset tracking devices. CloudTrack combines reliable positioning with data communication, cloud intelligence, and best-in-class energy savings into an all-in-one service. CloudTrack offers simple contractless per-location-request plans available anywhere in the world. The service includes a comprehensive asset tracking application and works exclusively with u-blox cellular + positioning combination modules to deliver an ultra-low-power asset tracking solution that is unmatched in the industry.

The ultimate in ultra-low-power asset tracking
- Ultra-low-power positioning and global connectivity between the device and cloud means 6X energy savings for extended battery life of your IoT asset tracking device.

Simple pay-per-location plans
- The easy-to-understand, contractless pay-as-you-go (PAYG) plans mean paying per location request, anywhere in the world.

Global connectivity
- The secure, low-power IoT data connectivity between device and cloud provides seamless roaming in 190 countries.

Locate your assets in all scenarios
- Positioning in the cloud extends battery life.
- Assisted GNSS for faster TTFF and lower power consumption.
- Eliminates "no GNSS events" by using Wi-Fi and cellular network attributes.

Easy in-cloud data transformation
- CloudTrack includes a complete asset tracking application that handles all the complex interfaces between the cellular modem, the GNSS receiver, and the Wi-Fi module (if available), so you can get started quickly.
- Our Data Flow Manager makes it simple to transform data in the cloud and to integrate with tracking dashboard applications, major cloud platforms, and enterprise backend systems.

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CloudTrack asset tracking use cases

CloudTrack is ideal for IoT asset tracking use cases that require long battery life, a few position updates per day, position accuracy of < 10 m, and for which location is needed in the cloud. Such use cases include:

- Container and cargo tracking
- Livestock, animals, or pet tracking and detecting of unusual behavior
- Industrial tracking of tools and other valuable job site equipment
- Small parcels and valuable assets that must be tracked and monitored to the last mile of delivery

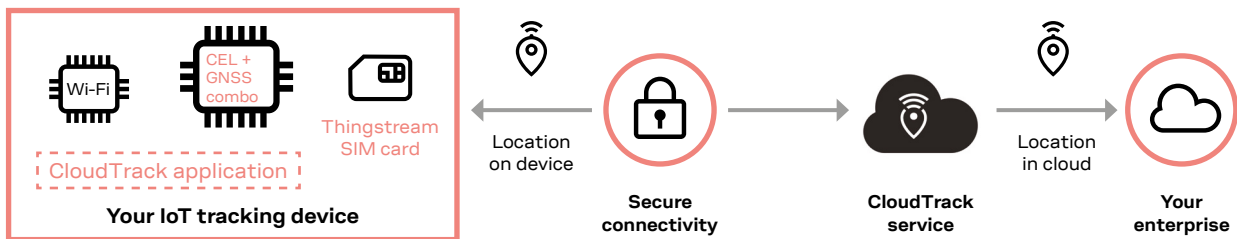**Containers and cargo**

Animals, livestock, and pets

Industrial tools and valuable job site assets

Small assets and valuable parcels

How CloudTrack works

CloudTrack works exclusively with u-blox CEL + GNSS combo modules to optimize IoT asset tracking. The CloudTrack application handles all the complex interfaces between the cellular modem, the GNSS receiver, and the Wi-Fi module (if available). Our Thingstream SIM card provides ultra-low-power, secure, global connectivity.

CloudTrack delivers the location based on the priorities that you set and the data available:

- **Location in cloud**: When a few updates per day are required. Calculates position in cloud for ultra-low power.
- **Location in cloud (no/poor GNSS)**: Calculates approximate position using cellular and Wi-Fi network attributes.
- **Location on device**: When frequent updates are required. Utilizes assisted GNSS for faster TTFF and low power.

Useful links

CloudTrack	**www.u-blox.com/product/cloudtrack**
Getting started	**developer.thingstream.io/guides/ location-services/CloudTrack-getting-started**
Pricing	**portal.thingstream.io/pricing/laas/ laascloudtrack**
Thingstream platform	**portal.thingstream.io/register**

u-blox products supporting CloudTrack

SARA-R422M10	LTE-M, NB-IoT and EGPRS module with integrated M10 GNSS receiver
SARA-R10001M10D	LTE Cat 1bis module with integrated M10 GNSS receiver
LENA-R8001M10	LTE Cat 1bis module with global coverage and integrated M10 GNSS

Further information

Contact us: **www.u-blox.com/en/contact-u-blox-services**

For more details, see **www.u-blox.com/product/cloudtrack**