



Telit IoT LOCATE

is a **location-based service (LBS)** which gives Telit cellular module users an additional means of obtaining a location fix. The service derives device position from a triangulation process which uses cellular base-stations as references.

Telit IoT LOCATE represents the convergence of mobile communications and location services conceived to **provide Telit customers with basic location information when GNSS signals are either masked or jammed outdoors**; or where GNSS signal strength is too weak to provide a reliable position such as in many indoor situations.

The Telit IoT LOCATE is a turnkey service solution which **provides basic device position data without any additional hardware or software implementation**. Position data is accessible via the Telit Location Server and available on all new Telit cellular modules that can access the internet over the cellular network.

The service is provided on a “best effort” basis because accuracy is highly dependent on network density and mapping information in the service’s location database. Changes or updates on network topology could temporary affect accuracy and/or availability. The service is offered in partnership with RXNet-works, a leading provider of location based as well as assisted-GNSS services.

The Telit IoT LOCATE service is **available in two different grades: Basic and Premium**. The Basic service is a turnkey solution, available free of charge, that provides Telit customers the opportunity to send a maximum of one thousand (1000) position queries per month per enabled device to the Telit Location Server. This limit means more than 30 queries per day as medium value per device. With the Premium service customers have unlimited query access to the Telit Location Server at a convenient additional fee.

Key features and benefits

- **Increased redundancy in outdoor situations with a second position source**
- **The service is provided on a “best effort” basis-accuracy varies based on network density and mapping information in the service’s location database.**
- **A basic rough-position that is available even when GNSS signals are being jammed**
- **In combo Cellular + GNSS applications, IoT LOCATE can provide initial rough-location data to the GNSS module in order to speed-up a final GNSS position fix.**

Target application areas

- **Fleet Management**
- **Vehicle Tracking**
- **Theft recovery**
- **Telemetry**
- **General location based services such as local advertising and local identification**

For more information on supported modules or any other questions contact our sales organization. Our sales teams and channel partners can help you with all details in the use of IoT LOCATE for your application. Please contact us at the following e-mail addresses:

EMEA@telit.com

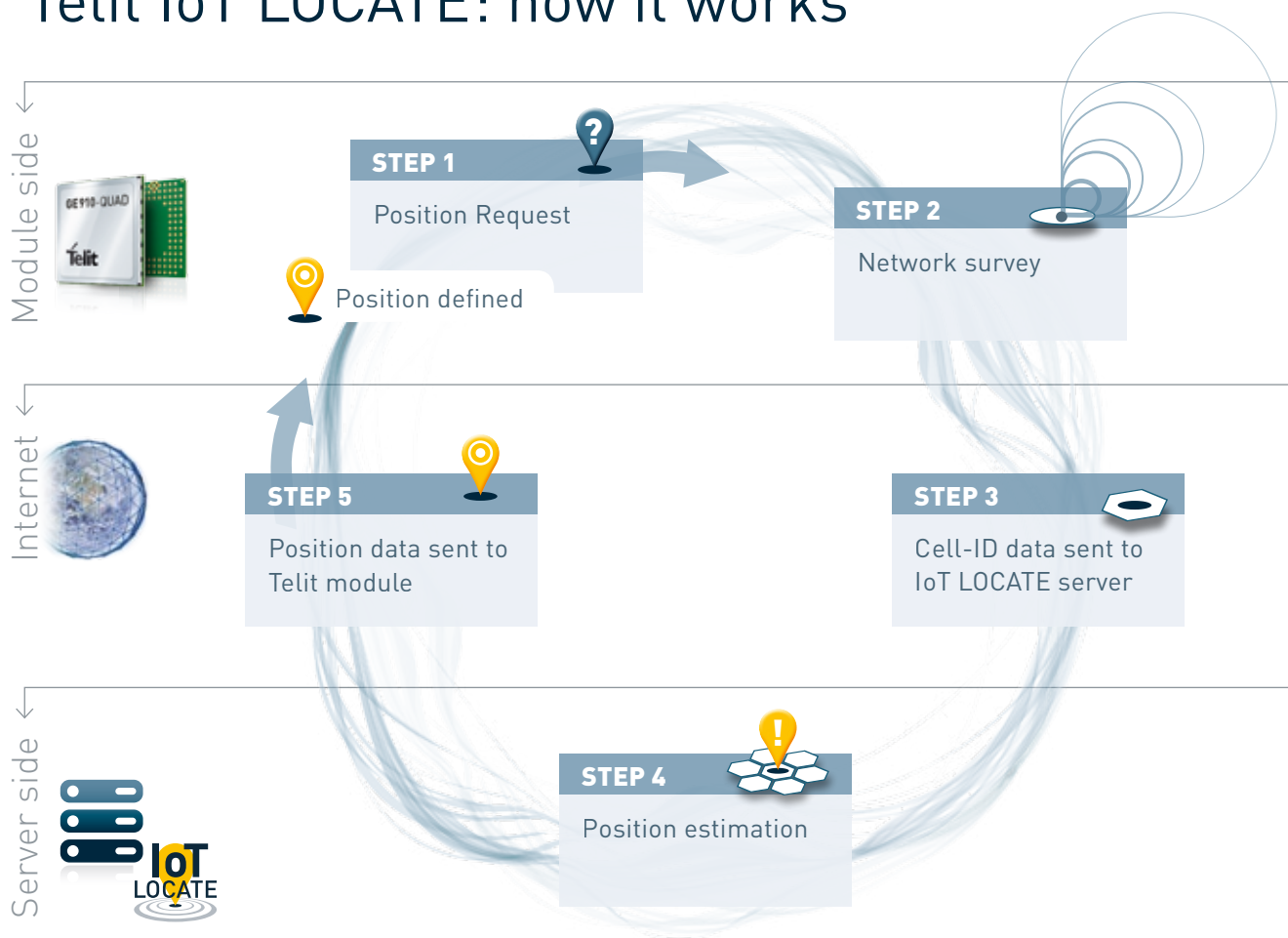
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Telit IoT LOCATE: how it works



Telit IoT LOCATE service characteristics

- Mobile network operator (MNO) independent service
- No dedicated protocols are used
- Cell-ID data Internet - uploaded to IoT LOCATE server
- Resulting estimated position Internet - downloaded to module
- Available on Telit modules in GSM, UMTS and CDMA technologies

