

SoftSpot IoT Low-Consumption GNSS receiver

Internet of Things has brought countless opportunities to improve operations and reduce costs, and particularly in the location and tracking of assets.

Yet, GNSS-based receivers are not often integrated by major logistic actors due to their energy consumption, size and TCO.

Syntony undoes that wrong by offering the first real GNSS cloud-based location

service, using Syntony's GALAXIE secured server to deliver the locations by calculating our patented algorithms.

SoftSpot IoT is totally upgradeable without having to change the device, since all the computations are made on the server, where algorithms can be improved with immediate repercussions and no modifications to the hardware.

Energy Saving with GNSS Accuracy



SIMPLE

The SoftSpot IoT solution is composed by an embedded library and a Location service available via API REST. That's all.



POWER EFFICIENT

Our solution challenges classic GNSS receiver by consuming from **15 to 50 times less energy**, depending on the use-case



REDUCED COST

The device does not need a full GNSS chip anymore, a simple front-end is enough



ACCURATE

Accuracy from 10 to 25m with constant cloud improvements



RELIABLE

The same quality of service is ensured over the time, there is no degradation after few days



QUICK

The GALAXIE server computes a position in less than 5 seconds, making it an almost instantaneous positioning service



SECURE

The GALAXIE server transactions are fully secured and crypted

- ✓ Compatible with all low-power telecom networks
 - ✓ NB-IoT
 - ✓ LPWAN (Sigfox, LoRa)
 - ✓ GSM, 3G, 4G, 5G
 - ✓ Satellite
- ✓ Secured & encrypted GALAXIE server
- ✓ GNSS-equivalent accuracy
 - ✓ GPS
 - ✓ Galileo

SoftSpot IoT is designed to be easily integrated into any IoT device, and allows our clients to offer the lowest power consumption GNSS-based positioning solution.

Using low-power telecom networks to connect to our GALAXIE server, SoftSpot IoT is a precise, cheap, autonomous, durable, and robust solution.

SoftSpot IoT low battery consumption allows:

- Increase of the lifetime
- Fewer or no recharges at all
- Battery-size reduction
- Fewer number of battery used, guaranteeing an economic and sustainable solution



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