



SRT3060200A19\_PB\_EN\_STD

# SRT306i

Do you find GNSS positioning (GPS, GLONASS etc.) insufficient? Or do you have the need for positioning and communication in environments lacking GSM coverage? Then SRT306i is what you need.

## Basic functionality

The basic functionality of the SRT306i is based on its predecessor SRT306, including GSM/GPRS communication and GNSS positioning.

## Indoor positioning

SRT306i supports indoor positioning based on communication with RF tags. An area with no GNSS coverage can be equipped with RF tags and each tag is programmed with specific position data. When SRT306i enters an area covered by a specific tag it receives the preprogrammed information. The range of the radio signal from each RF tag can be adjusted to achieve the desired coverage.

SRT306i has the ability to assess the optimal positioning method in any given situation. When available it will use GNSS but when lacking that possibility it will instead attempt using RF positioning. If any available RF tags are found, the SRT306i will switch off GNSS positioning. The same will work in reverse, so the SRT306i will enable GPS/GLONASS when losing RF connectivity and shut RF positioning off as soon as a GNSS position is received. This mode of operation maximizes battery lifetime.

Further customization of positioning methods is also possible. For example, have the SRT306i use RF positioning during office hours. Or set it to switch to RF positioning upon arriving at a certain geographical location. Provided the SRT306i receives a valid GNSS position it can decide when it enters the designated area and can then switch to RF positioning.

## Alarm relaying through RF routers

In certain areas not only GNSS coverage is lacking but also GSM. Such areas can be equipped with combined RF tags and routers (SRT334i2). In case of an alarm the SRT306i uses a SRT334i2 to obtain a position and transfer the alarm message through a chain of RF routers to a relay station with GSM coverage, where the message can be forwarded to a GSM network. A message delivery confirmation is then relayed back to the SRT306i that generated the alarm.

- 48 hours battery lifetime
- Developed in Sweden
- Speaker and microphone
- Accelerometer for vibration and motion detection
- Quadband GSM/GPRS
- GNSS receiver (GPS/GLONASS/Galileo)
- Supports GeoFencing
- Intelligent power saving mode
- Sends low battery alarm
- Status LEDs
- USB charging
- Water and dust proof (IP54)
- Small and handy size: 90x46x21,5 mm
- Weight: 104g

## Accessories

Wall charger, desktop charger, car charger, USB cable, case, charger case and lanyard.

Learn more about SRT306i on our website, [www.srt.se](http://www.srt.se).