

Sting

Rechargeable battery, compact GPS tracking device



The Sting is an ultra-compact rechargeable 2G or 3G GPS tracking device, designed for tracking non-powered assets, packages and people.

FEATURES

- Up to 6 months tracking
- Ultra compact
- Light sensor
- Temperature Sensor
- Humidity Sensor
- Rechargeable
- Configurable Tracking

APPLICATIONS



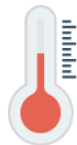
Vehicle and
fleet tracking



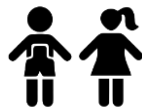
Non-powered
asset tracking



Packages



Temperature
sensitive loads



Monitoring
children



Anti-theft
device

MECHANICAL FEATURES

Dimensions (mm) L 97 x W 52 x H 18
Weight 110 grams including battery pack

Operating temperature -20°C to +60°C

BATTERY

Li-Po Pack 2500mAh 3.7V, temperature controlled charging

Charging USB Micro 5V input, 540mA
USB Cable included

Sleep Current 10µA (micro amps) with accelerometer on and other sensors off

CONNECTIVITY

Cellular 2G/3G HSDPA, single micro SIM (3FF size)

GPS and Cellular Antenna Internal antennas tuned by RF laboratories to ensure optimal performance

Auto-APN Analyse SIM and detect APN from pre-loaded list
Multi APN Multiple APNs for roaming

GPS TRACKING

GPS Module High sensitivity assisted GPS receiver, 72 channel
Concurrent GPS/GLONASS

AssistNow Predicts satellite locations
Offline Reduces the time to first fix
Improves performance in "urban canyons"

SPECIFICATIONS

Recovery Mode Switch from Daily Locate to Live Tracking over-the-air

Text Message Setup Setup APN, server etc

3D Accelerometer 3 axis accelerometer enables quick wakeup

Adaptive Tracking Accelerometer and GPS data are used intelligently to detect movement and send live updates, or to scale the update rate to once per day if stationary to preserve battery life

Internal Memory Flash memory can store 50,000 records

Temperature and Humidity Sensors High accuracy sensors collect telemetry from the Sting's environment.

Tamper Detection The light sensor is designed to work as a tamper detector for high value cargo applications. If a parcel or container is opened, the Sting will detect the light change and report the tamper via an email/SMS alert.

SENSORS

Temperature Sensor High Accuracy $\pm 0.4^{\circ}\text{C}$ (max)
-10 to $+65^{\circ}\text{C}$ range
On PCB

Humidity Sensor Precision Relative Humidity Sensor
 $\pm 3\%$ RH (max) accuracy
0-80% RH range

Light Sensor 0.045 - 188'000 Lux range.
On PCB with a light pipe through the housing.