

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



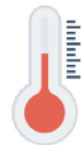
Vehicle and fleet tracking



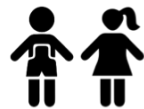
Non-powered asset tracking



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

GPS TRACKING

GPS Module	High sensitivity assisted GPS receiver, 72 channel Concurrent GPS/GLONASS
AssistNow Offline	Predicts satellite locations 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°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.