

Remora

Battery-Powered, IP67 Easy-Install GPS Tracking Device



The Remora is a low-profile, rugged 2G or 3G GPS device designed for tracking non-powered assets where super-long battery life is required without sacrificing the frequency of updates and accuracy performance.

FEATURES

- Up to 5 years once daily location
- Up to 2 years detailed tracking
- No install required, simply "place 'n trace"
- IP67 water and dust proof
- Rugged, robust and low-profile
- Switch from "locate" to "track" over-the-air
- Magnetic tamper detection (optional)
- Unauthorised movement alert
- Integrated accelerometer
- Limited speed alerts

APPLICATIONS



Vehicle and fleet tracking



Non-powered asset tracking



Run hour monitoring



Trailers and mobile assets



Shipping containers and freight



Anchoring and security of assets

MECHANICAL FEATURES

Low-profile IP67 rugged housing	The IP67 rated housing is made of sturdy ABS/Polycarbonate plastic to survive bumps and knocks. It is UV stabilised to survive many years in the sun and weather. Its low-profile makes it easy to mount in the corrugation on containers or to conceal on the underside of a trailer.
Operating temperature	-20°C to +60°C For operation in extreme temperatures the device must be fitted with LTC batteries
Dimensions (mm)	L 225 x W 65 x H 30
Weight	500 grams including batteries
Fitment	Screw holes and strap slots

CONNECTIVITY

Network	2G/3G HSDPA
SIM	Single standard (2FF) size cellular SIM
GSM Antenna	Internal cellular antenna tuned by RF laboratories to ensure optimal performance

GPS TRACKING

GPS Module	High sensitivity assisted GPS receiver, 72 channel
GPS/GLONASS	Concurrent GPS/GLONASS
Antenna with LNA	Internal antenna. Boosted by low-noise amplifier (LNA) allows operation in "urban canyons" and container stacks

SPECIFICATIONS

Sleep Current	5-10µA (micro-amps), depending on setup
C-Cell Size Battery Options	4 x Alkaline batteries – industrial type recommended 4 x LTC batteries – larger temperature range and capacity
Internal Memory	Flash memory can store 50,000 records
Recovery Mode	Switch from Daily Locate to Live Tracking over-the-air
Auto-APN	Analyze SIM and detect APN from pre-loaded list. Multi-APN on board for roaming
Text Message Setup	Setup APN, server, etc.
3D Accelerometer	The 3 axis accelerometer allows the Remora to "sleep" in an ultra-low power state yet still wake up when movement occurs
Adaptive Tracking	Adaptive-Tracking technology enables accelerometer and GPS data to be used intelligently to work out if it is moving and send frequent updates, as well as to scale the update rate down to once per day if the asset is stationary in order to preserve battery life.
AssistNow Offline	Predicts satellite locations Reduces the time to first fix Improves performance in "urban canyons"
Tamper Detection	Optional magnetic wireless tamper switch detects when the device has been removed from the asset.
Performance Monitoring	Track how the Remora is using its power with intelligent performance counters. Monitor wakeups, GPS fixes, uploads and more to understand exactly what the device is doing.