



Overt and covert systems to locate, monitor and protect people and property worldwide

GT2000TM

SATELLITE

THURAYA TRACKER

What is the GT2000TM Thuraya Tracker?

The GT2000TM is a second generation vehicle tracker built on the ThurayaModule. It allows users to track and monitor their key mobile assets (trucks, cars, delivery vans, containers, personnel, military vehicles, ships, trains etc) when travelling anywhere under the broad 200+ country footprint of the Thuraya satellite using GmPRS.

The system uses a latest generation SiRFIII GPS processor to acquire the asset's exact position on the earth's surface, and then transmits this via the Thuraya satellite system – direct to our ThurayaLocate™ web locating service, our GeonixLocate™ web locating service or to the customer's monitoring centre.



What does it allow you to do?

- keep continuous real-time track of your trucks, cars, delivery vehicles, trains, ships, personnel and other assets. Works with the Thuraya satellite network to ensure constant coverage across two thirds of the globe's surface (see map at bottom right)
- provides automated emergency alarm via single key
- ruggedised, splash-proof metal enclosure allows use in adverse situations
- flexible connectivity: 2 serial ports; or 1 serial port, 1 digital input and 1 digital output; or 2 digital inputs and 2 digital outputs allows flexibility in application: can also be used for monitoring of stationary assets
- provide added safety, security and peace-of-mind to your personnel

Why buy a GT2000TM for your tracking solution?

- cost effective: a unique tracker in a ruggedised enclosure unit offering off-the-beaten-track vehicle locating across the whole of the Thuraya service area
- multi-purpose: tracker with instantly available alarm panic button
- available options include satellite antenna, magnetic fixing and high power battery pack (to special order) allowing for temporary placement on subject vehicles
- support and advice for your tracking and monitoring needs from a company that is a leading expert in tracking, monitoring & surveillance

Key Features:

- tracking data sent to centre via GmPRS messages
- uses latest SiRFIII GPS chipset
- small size — 47mm x 90mm x 110mm — easily concealed in engine bay etc
- fallback operation via SMS when needed
- flexible programming of reporting periods
- optional magnetic attachment
- optional separate battery pack
- works with all existing Thuraya antennas
- configurable over the air
- 2000 position internal memory
- if GmPRS is lost, unit catches up with reports when signal returns

Requirements for end-to-end position reporting solution:

- SIM card from local Thuraya Service Provider
- ThurayaLocate™, ThurayaRelay™, ThurayaAssist™ or GeonixLocate™ software



SATELLITE

Advanced hand portable tracking, monitoring and communications units that operate across both Satellite and GSM platforms

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| | |
|--|---|
| dimensions | 110mm(L) * 47mm(W) * 90mm (D) |
| weight | 250 grams |
| operating temperature | -10° C to +45° C |
| storage temperature | -10° C to +50° C |
| DC supply voltage | 12V |
| DC tolerance voltage | 9V – 30V |
| internal battery | 3.3V |
| antenna connectors | 2 x SMA |
| internal battery – charge type | Charged from vehicle power |
| internal satellite interface | ThurayaModule type SM2500 |
| GPS performance SiRFstarIII (Manufacturers figures) | Cold start <35 sec (open sky) Hot start <1 sec (open sky) Accuracy <10 metres |



ThurayaModule Specifications (data ex Thuraya)

| | |
|-----------------------|-------------------------------|
| dimensions | 72mm(L) * 52mm(W) * 9.5mm (D) |
| weight | 60 grams |
| operating temperature | -10° C to +55° C |
| storage temperature | -20° C to +70° C |
| radio band | Thuraya GEM |

| | |
|------------------------|-------------------------------|
| software stacks | GEM voice, data, T2T calls |
| supplementary services | SMS, CLIP, USSD, call barring |
| encryption | external |
| operating system | VXWorks |
| software upgrade | standard AT command set |

Communications Protocols

| | |
|--------------------------|----------------------------------|
| internal GPS protocol | NMEA 0183 |
| connection to server | Standard Thuraya GmPRS |
| satellite communications | Thuraya satellite at 1.5/1.6 GHz |

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