



GT8000 FREQUENTLY ASKED QUESTIONS

QUESTIONS:

- What is the GT8000?
- What are its key features?
- How does it work?
- What are its key benefits?
- What applications are the GT8000 suitable for?
- Will it work in areas with poor or no GSM coverage?
- How frequently does it send location reports?
- How do I change the report frequency?
- What happens if I do not want to be tracked?
- How is it configured?
- What does a user need to create an end-to-end solution?
- How big is the GT8000?
- How long does the battery last?
- What are the operational costs?
- How much does a GT8000 cost?
- When will the GT8000 be available?
- How does the user become a distributor of the GT8000?
- Who does the user contact for further information?
- Who does the user contact for support?



ANSWERS:

What is the GT8000?

The GT8000 is an in-vehicle tracking unit that allows users to track and monitor their mobile assets in GSM service areas. It uses the latest generation GPS system to acquire its exact location and then transmits this and other relevant information to the customer's monitoring centre or internet via the local GSM network.

What are its key features?

data transmission: real-time GPS tracking and vehicle status monitoring, GPRS and/or SMS transmission

geo-fences: up to 10 geo-fence zones in circular or rectangular shapes, direct or remote set-up

alert Button: multi-purpose alert button and built-in sensor ports for additional security and monitoring functionality

reporting: ability to report to up to 2 internet servers, selectable reporting methods: by time, distance or intelligent reporting option, selectable event trigger report e.g. speeding, change of course, history report mode – activity data can be downloaded at end of day or trip

How does it work?

The Geonix Cellular GT8000 in-vehicle tracker uses GPS satellite technology to determine the unit's position and GSM/GPRS technology to report that position to the end-user's central monitoring and presentation system. Reports on the vehicle's position, speed and sensor data are notified periodically (at user defined intervals) to the central system via GPRS. In the event of GPRS non-availability, the unit has the ability to format position reports as text messages and transmit these via SMS. When the unit reacquires GPRS signal, it will transmit again the position reports sent via SMS from its internal memory: it will send these in packets of 3 position reports until 'catch-up' is complete.

What are its key benefits?

extensive internal geo-fencing functionality: allowing users to effectively monitor and control their assets location

convenience: position data sent via GPRS when available or by SMS when not, the unit will also store the last 900 position reports internally, facilitating applications that only require an end of day/trip download

unique features: built-in sensor ports and alert button – providing additional functionality for tracking and monitoring solutions, including the ability to activate security measures within the vehicle remotely

flexibility: ability to satisfy different customer needs through a range of alarm functions and reports e.g. speeding, change of course

quality: the GT8000 uses only Sony Ericsson GPRS GR and Trimble SQ series modules guaranteeing the best performance and accurate data

cost-effective: one of the lowest cost satellite tracking systems available

What applications are the GT8000 suitable for?

The GT8000 is ideal for low-cost tracking of vehicles in GSM coverage areas where permanent attachment is desired.

Will it work in areas with no GSM coverage?

If there is no GSM coverage the device will still generate reports, it will just store them to memory until there is GSM coverage. When there is GSM coverage it will send an update report via GPRS of activity whilst there was no GSM coverage.

Does the device send an update in both GPRS and SMS mode if GSM signal is lost?

The device will always store each report in its internal memory. In GPRS mode the device will commence catch up once signal is received again and continue to send the required reports. In SMS mode however, the device will recommence sending reports when its signal is reacquired but catch up will not take place.

How frequently does it send location reports?

The GT8000 will send location reports at a frequency determined by the user. This allows the user to set a frequency which is best suited for the application. This frequency of reporting can be by distance, time or both. The device can also be set with different report frequencies when moving or when stationary.

How do I change the report frequency?

The frequency of the reports can be changed by sending an SMS command to the tracking unit. This can be done using a standard mobile phone, a PC to SMS message formatting program, by using the appropriate tracking software or by the purpose built configurator program from Geonix Tracking which is available at www.geonixtracking.net.

What happens if I do not want to be tracked?

If the user no longer wants to be tracked the device needs to be switched off or alternatively removed from the vehicle.

How is it configured?

Initial configuration must be done using the supplied PC software. When a user subsequently wishes to change the units configuration, this can be done either by PC or by sending an SMS command to the unit.

What does a user need to create an end-to-end solution?

The customer requires a SIM card from a local GSM Service Provider and enabling, presentation and mapping software.

How big is the GT8000?

The GT8000 is 138mmx95mmx29mm.

What are the technical specifications?

dimensions	138mm(L)*95mm(W)*29mm(H)
weight	200g
operating temperature	-20°C to +55°C
storage temperature	-40°C to +85°C
DC supply voltage	12V
DC tolerance voltage	9V – 16V
internal Battery	Ni-Mh 4.8V
internal battery - battery capacity	80 mA/H
internal battery - charge type	Built-in charge circuit with jumper protection
GPS performance SiRFIII (Manufacturers figures)	cold start <50 sec. (50%), <84 sec. (90%), Hot start <10 sec. (50%), <13 sec. (90%),

What are the operational costs?

The operational costs are the costs of running the tracking software (if any) and the cost of the SMS messages sent from and to the GT8000. These airtime costs are set by the local service provider.

How much does a GT8000 cost?

The GT8000's RRP is \$439.

How does a user become a distributor of the GT8000?

To become a distributor, please send details on your company to wendy.hughes@geonix.com.

Who does a user contact for further information?

For further information on the GT8019, take a look at the website www.geonix.com, or alternatively contact info@geonix.com.

Who does a user contact for support?

For support questions, please e-mail john.carlyle-clarke@geonix.com.