



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

**GT8019**

**CELLULAR**

**CONTAINER TRACKER**

### What is the GT8019 Container Tracker?

The GT8019 Container Tracker is a compact tracking device that has powerful magnets that allow it to be attached to any steel container in seconds. Using its dual-band GSM/GPRS operation, it can be deployed in multiple GSM networks worldwide. It features a built-in magnetic door sensor, allowing the unit to report when the container door is opened or closed. It is fully self-contained and battery powered for instant deployment.

It uses a 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 does it allow you to do?

- install a tracking device to any container in seconds
- keep continuous track of your containers and contents
- receive alerts when your container leaves a pre-determined area or route, allowing you to take action before assets go missing
- be notified of attempts to interfere with container contents
- monitor unauthorised use or non-compliance with speed limits
- provide additional safety and security for your employees and assets
- keep continuous real-time track of vehicles under surveillance

### Why buy a GT8019 for your tracking solution?

- ease of deployment: powerful in-built magnets allow it to be deployed on any steel surface within seconds
- area of operation: dual-band GPRS for use across most GSM networks
- flexibility: the unit is self contained and battery powered
- is weatherproof, with in-built GSM and GPS antennas
- allows for in-built 4 area geo-fencing
- has a powerful 900 position memory that can store information about position, time, heading, speed etc
- compact size: 96x50x42 mm including in-built antennas
- support and advice for your surveillance needs
- Cost-effective: one of the lowest cost satellite tracking systems available



GT8019 container tracker

#### Package includes:

- waterproof GSM/GPRS tracker
- self contained battery pack
- internal antennas and magnetic door catch
- programming lead
- manual
- 12 month warranty
- mounting plate if required

#### Key Features:

- SiRFIIIstar GPS chipset
- real-time GPS tracking worldwide
- GSM Dual-band with GPRS
- also supports SMS reporting
- built-in magnetic plate
- waterproof enclosure
- built-in antennas
- flexible reporting: time, distance or combination
- movement and battery status reporting
- 4 configurable geofence areas
- 900 position log memory
- multiple power modes, for superior battery life
- built-in container door magnetic sensor

#### Requirements for end-to-end solution:

- SIM card from local GSM Service Provider
- enabling, presentation & mapping software

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**In-vehicle tracking, monitoring and communications units with extended capabilities operating on the GSM platform**

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**Physical, Electrical, Environmental Parameters & Battery**

dimensions	96(L)*50(W)*42(H)
weight	400g
DC Supply voltage	3.6V
current (GPRS online)	80mA
current (GPRS transmission)	120mA
current (Peak)	300mA
current (Sleep)	6~12mA when GPS is in sleep mode
operating Temperature	-20°C to +55°C
storage Temperature	-40°C to +85°C
battery type	lithium 3.6
charge type	built-in charge circuit, recharge volts 4.5V – 20V
battery capacity	3800 mA/H

**GPRS**

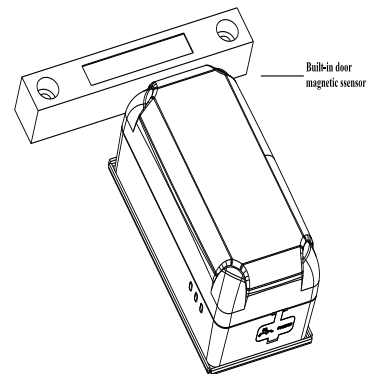
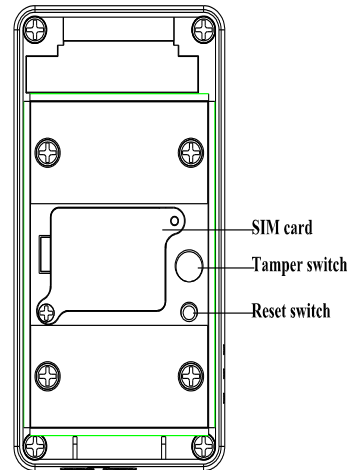
frequency Range (MHz)	900 &1800
channel spacing (Hz)	200
GPRS connectivity	GPRS multi-slot class 8, GPRS mobile station class B
SIM card interface	3V/5V
SMS storage Capacity	40 in memory
antenna Type	integral & enclosed in GT8019 unit
antenna Impedance	50ohms

**GPS**

chipset	SiRF Star III technology
protocol	NMEA0183
baud Rate	4800
signal	L1 1575.42MHz
number of Channels	12 channel simultaneous operation
accuracy Horizontal	<5 meters (50%)
velocity	0.1 m/sec.
hot Start:	<8. (90%)
warm Start:	<38 sec. (90%)
cold Start:	<42 sec. (90%)
antenna Type	embedded omni-directional antenna

**IO Connection**

tamper switch	on/off
1*PC connector	for initial PC configuration
1*recharge socket	recharge from mains or car charger



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