



What's the target for GSM car security terminal?

1. Individual user

Individual user are using GSM car security terminal to monitor and control the vehicle in 24 hours under GSM network by SMS and voice communication. Mobile phone SMS management solution is adding maximum safety measure to vehicle because only authorized user can send SMS command to control vehicle. Thus unauthorized user cannot operate vehicle.

2. Logistic executive management

Executive management in logistic are using GSM car security terminal to manage a fleet of vehicles by gaining control of travel records and time.

3. Mobile operator

- A. Every GSM car security terminal need install a SIM card to increase selling for SIM card.
- B. Mobile operator will add revenue from SMS and voice call between GSM car security terminal and user.
- C. Mobile operator can make profit if vehicle users ask them to support more value added service.
- D. Mobile operator does not need to invest money to GSM car security terminal since it only based on existing GSM network.



Figure 1. GSM car security terminal

General description

GSM Network car location tracking

The GSM car security terminal uses GSM network for car location tracking.

Self-definition car physical location address

Authorized user can add self defined physical location address to the terminal according to his/her requirement.

Remote auto report car physical location address

Authorized user can set GSM car security terminal auto send car physical location address and status in SMS for certain distance. User can monitor car physical location address and status at real time by a mobile phone.

Remote car alarm auto report

When the alarm is triggered off, authorized user' mobile phone will receive SMS alert and call alert automatically from GSM car security terminal. The SMS alert show clear message such as "Vibrate alert", "Door open alert", "Enforced engine on alert", "Circuit cut alert" etc.

Remote car Information inquiry

Authorized user can check car status at real time by sending SMS command to terminal and response SMS are: Armed (Disarmed), Door Close (Open), Engine ON (Off) and physical location address etc.

Mobile phone based car guard

Unique mobile phone based guard technique. Any activity against car will result terminal auto send alert SMS and call alert to authorized user mobile phone even criminal have car keypad or advanced decoding device.

Intelligence listening monitor

Authorized user can monitor inside car situation when he/she dials GSM car security terminal number. For protect authorized user privacy, terminal will reject unauthorized phone calling request.

Remote car control

Authorized user can take different responses when he/she received SMS alert and call alert.

- a. Listen monitor inside car situation when dials GSM car security terminal number.
- b. Report alert information to police station.
- c. Go to car site to check situation.

Car hijack report

Hostage can press the hijack button to send emergency signal to preset target (Police station, friend etc). The preset target can take action by tracking the car or listen monitor inside car situation. And he/she can take further action to rescue hostage.

Mobile phone turns off/on car door

If need, authorized user can sends SMS command to turn off/on car door instead of using keypad.

Easy setup

Authorized user only need send simple SMS command to terminal. No need install other equipment or software.

Simple usage

Authorized user use only a mobile phone to complete all above functions. He/she do not need make contract with telecom operator and no need GPRS, computer, or internet.

Features

The GSM car security terminal uses GSM technology to keep eye on your individual vehicle.

When the terminal installed in a vehicle detects alarm situation, the terminal will automatically send SMS alert and call alert on vehicle owner's mobile phone. The SMS alert specifies the alert event (enforced car door open by theft, enforced engine on by theft etc). And thus, the vehicle owner can take reaction by sending instruction SMS back to the terminal to know vehicle location tracking information and further take next step to monitor and control vehicle.

The GSM car security terminal uses GSM network base station/switch center for vehicle location tracking. Our advantages are use embedded software to transfer network base station code/switch center code to represented relevant area location. From following diagram, we can see vehicle owner's mobile phone display vehicles' three passed locations: *Theater*, *Garden*, *Office*. Thus, vehicle owner knew the vehicle location tracking information accurate and cost effectively. And this is specialized for logistic fleet management.

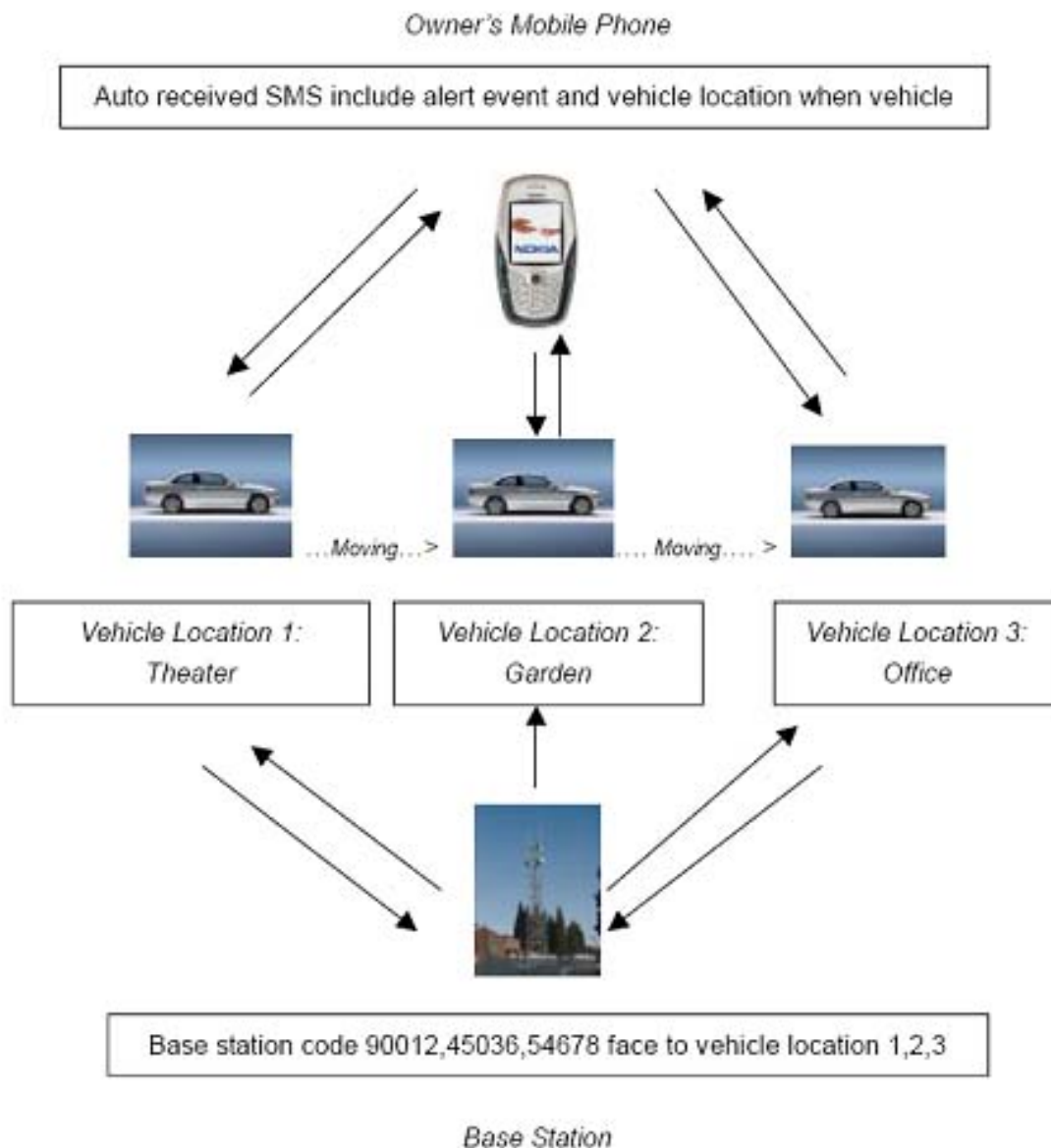


Figure 2. Individual vehicle location tracking

Logistic fleet management software helps to manage a fleet of vehicles by gaining control of travel records and time from PC. From a single PC, logistics executive can eliminate the time-consuming task of manually completing mileage logs, trying to track down missing data or verify hand-written information. The logistics personnel can input every vehicle's information into PC. These data include vehicle's ID plate, vehicle road map, driver name, accompany person name, telephone number, and physical location address etc. The fleet management software installed on control center can check vehicle status at real time and gives data collection of the fleet activity is automated and accurate as comprehensive reports is easy. It has effective management and business in a highly competitive industry scenario like today.

GPS GSM Car Security Terminal

GPS GSM car security terminal is not only having all specification of above but also equipped with latest GPS receiver.

Remote car stop

Authorized user can send SMS command to remote turn off engine of car to prevent unauthorized user drives car run away. When SMS command has been send to GPS GSM car security terminal, GPS GSM car security terminal will stop the car only after GPS device confirm the car speed is zero. If authorized user sends SMS command to a high-speed car when unauthorized user drives car run away, driver may have dangerous situation. We have to use a wise way to protect the unauthorized user. Once car engine is off, it will not able to turn on again until authorized user sends another SMS command to unlock car.

Remote auto report car physical location address

Authorized user can set GPS GSM car security terminal auto send car physical location address and status in SMS for certain distance by GSM. It also equip with GPS device. The additional GPS location tracking technology have very accurate checking radius. User can monitor car physical location address and status at real time by mobile phone.

The full package kit include list items as follow:

- Main controller (1 unit)
- Keypad (2 units)
- Vibration sensor (1 unit)
- Siren (1 unit)
- Cut-off Relay (1 unit)
- Connection line (1 unit)
- Highjack button (1 unit)
- MIC (1 unit)
- Indicator light (1 unit)
- Antenna (1 unit)
- User Manual CD (1 unit)
- GPS antenna (1 unit: for GSM GPS version only)
- Embed GPS receiver (1 unit: for GSM GPS version only)