



FALCON-i, VEHICLE TRACKING SYSTEM

Have you ever thought how relaxing it would be to know where your fleet is when it is travelling miles and miles away from you? Well then you can just do that by tracking your vehicle real time. Use Falcon-i and get yourself updated whenever the vehicle crosses any of the predefined parameters that you have set.

Software features

Reports

- Trip reports can be generated for each vehicle in the fleet.
- Parameters like driver information, cargo details etc. can be added to the already existing ones.
- Reports for travel, over speed, excessive stoppage time and idle time can be generated.
- Mileage reports for fuel consumption

Alerts

The following user-defined alerts can be configured in the software.

- Over speed Alert
- Geofence: 5 preferred and 5 restricted areas per vehicle.
- Destination Alert
- Move Alert

Vehicle Route History: This feature offers travel records related to any particular journey undertaken by the vehicle.

- The path travelled by any vehicle during any specific time interval can be plotted on the map.
- Parameters like speed, idle time are displayed over the tool tip.

Vehicle Display and Live Tracking

- Provision to have four screens viewing of live tracking for four different vehicles.
- Location based vehicle search is available.
- Colored icons indicating vehicle speed status (Stopped/Moving/Over-Speeding).

Technical Specifications

- Quad band 850/900/1800/1900 GSM receiver
- IP65 Compliant
- Min. update interval for 15 sec
- Over the air firmware up gradation(DOTA)
- 20 Channel parallel SirfStar-III GPS receiver module
- GPS Accuracy of <10mtrs.
- Rugged device-water splash resistant, tamper resistant, weather proof (-5°C to 60°C)
- Built-in memory can store up to 8,000 records of information.(Built-in memory can store minimum one day data with refresh rate of 15 sec)
- 8V - 40V operational voltage
- Physical dimension: 125 mm X 85 mm X 30 mm
- Weight: 215 gms

Two Way Voice Communication

- SOS call to predefined number
- Option to Accept/Reject call for incoming calls.

Personnel Tracking using RFID

- RFID reader
- 2x16 Character LCD Display
- 16 Key Numerical Keypad with dedicated buttons for call accept, call reject and SOS Call

Personnel Tracking Features: This feature ensures a safe and efficient transport system for employers/institutions.

- Secured way to interact with passengers before boarding by the drivers (instead of revealing numbers to them)
- RFID cards issued by the employer/institution can be used for recording the boarding and drop points with the time stamp
- Provision to record no show of passengers
- Customer defined trip sheets for monitoring route adherence and deviations
- Projects the ETA to the administrators from time to time
- Different vehicle color coding on the map for status view of the boarded passengers (eg. Female first boarding or female last to get down)
- Extensive reports to analyze the efficiency of the transportation system like: on time trips, trips where the delay is beyond set time limits, trips where no show was observed
- Monitoring the pick up as well as drop processes to have an efficient transportation system
- Provision to record/log events like vehicle break-down, traffic blocks, etc.