

# Falcon-i™

VEHICLE TRACKING SYSTEM



## Software features

### Reports

- Trip reports for each vehicle can be generated.
- Additional parameters like driver information; cargo information etc. can be added.
- Reports for over speed, excessive stoppage time can be generated. Mileage reports for fuel consumption

### Alerts (User defined Alerts)

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

### Vehicle route history

- Vehicle path for specific time interval plotted on map
- Parameters like speed, idle time are displayed over the tool tip.

### Vehicle display and live tracking

- Four screen live tracking for different vehicles
- Location based vehicle search
- Colored icons indicating vehicle speed status (Stopped/moving/over speeding)

### Vehicle tracking unit Features

- Quad band 850/900/1800/1900 GSM receiver
- IP64 : IP65 Compliances (Is the unit compliant to this standard)
- Min. update interval for 10 Secs
- 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 10 sec)
- 8V - 40V operational voltage
- Physical dimension: 125 mm X 85 mm X 30 mm
- Weight: 215 gms

### HMI Unit for Two Way Voice

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

### RFID HMI Unit for Personnel tracking

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

### Personnel Tracking Features:

- Ensure the 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.

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