GSatTrack

Garmin Fleet Management

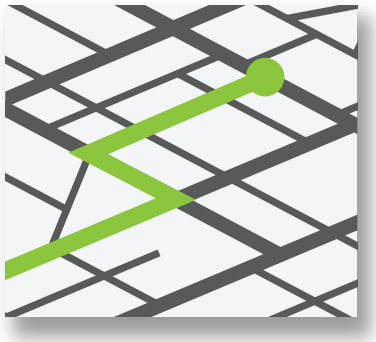
Skywave IDP-782 + Garmin

Connect the IDP-782 to your Garmin device to reliably track, monitor and communicate with your fleet. GSatTrack offers online maps that display the exact location of your assets at any time through up-to-date road maps and satellite imagery.

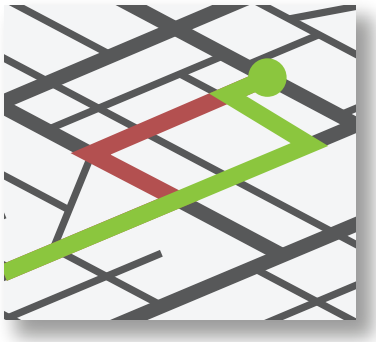
Live, Up-to-Date Communications

GSatTrack can monitor and track your fleet's movements and maintain the ability to designate new routes or destinations in real-time. Obtain information such as Current Driver, Destination and more!

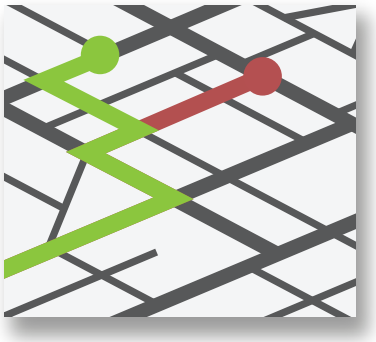
Live Tracking



Send New Routes



Send New Destinations



Included - Send and Receive Text Mesages!

Keep in touch with your drivers by communicating one-on-one or with your whole fleet. GSatTrack gives you the power to message anyone in your fleet from anywhere on the web!

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Commercial Solutions

The GSat Track & IDP-782 works with Garmin portable navigation devices (PNDs) to provide the interactive navigation link that's been missing in fleet management systems.

The Garmin PNDs double as navigators and mobile data terminals in the vehicle, while the IDP-782 provides seamless connectivity to the monitoring center via the Inmarsat network.

Garmin's fleet management and dispatch messaging interface enables direct-to-driver communication via text messaging, as well as instant re-routing with "new destination" message prompts.

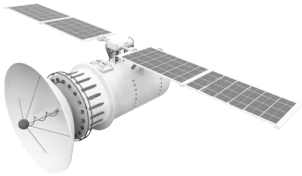
Tracking Parameters

Vehicle Location
Speed & Direction
Distance Traveled
Battery Levels
Thermostat Levels
Cargo Temperature
Elapsed Time
Fuel Status
Idle Times
Number of Stops
Cargo Door Access
...And More!

The Power of Fleet Management at the Touch of a Button

Garmin Screen

Skywave IDP-782



Inmarsat Network

Web Interface

GSat Track Servers

GSatTrack

Satellite Communications

Satellite Service:	Two-way, IsatData Pro
Coverage:	Global
From-Mobile Msg:	6,400 bytes
To-Mobile Msg:	10,000 bytes
Typical Latency:	<15 sec, 100 bytes
Elevation Angle:	+20° to +90°
Frequency:	Rx:1525.0 to 1559.0 MHz Tx:1626.5 to 1660.5 MHz
EIRP:	7.0 dBW

Cellular Communication

GPRS Frequencies:	850/900/1800/1900 MHz
HSPA Frequencies:	800/850/900/1900/2100 MHz
SIM:	3.3V/1.8V SIM
Security	Jamming detection

GPS

Acquisition Time:	Hot: 1 sec; Cold: 27 sec
Accuracy:	2.5m CEP-Horizontal
Sensitivity:	Acquisition: -148 dBM Tracking: -159 dBM
Security:	GPS signal jamming detection

Certification

Satellite:	Inmarsat Type Approved
Other	CE Mark, FCC, RoHS, Anatel

External Interfaces

Inputs/Outputs:	4 - Analog or Digital In/Out
Serial:	1 - RS232, 1 - RS485

Electrical

Input Voltage:	9 to 32V
Load Dump Protection:	+150V
Battery Backup:	>2.5 hrs operation with 1 min cellular reporting or 10 min satellite reporting

Environmental

Operating Temperature:	-40°C to +85°C
Back-up Battery Temp:	-10°C to +60°C
Dust & Water Ingress:	Transceiver: IP40 Satellite Antenna: IP67
Vibration:	SAE J1455 (Sec 4.9, 4.2) MIL-STD-810g (Sec 514.6)
Shock:	MIL-STD-810g (Sec 514.6)

Programming

Lua scripting engine with core services. SDK with GUI development tools available. Lua software application upgradable over the air (SOTA).

Geofencing:	128 Polygons
Data Logger:	50,000 Position reports; Auto-upload in cellular coverage