SP8600 Series
Portable GPS Tracking

The SP8600 series of GPS trackers plug right into a vehicle's accessory/charger outlet for maximum flexibility. These cost-effective Plug & Play devices, they can be easily moved from one vehicle to another within seconds. The Quad band GMS modem technology enables the devices to be used anywhere in the world -- it also sports a 3-Axis accelerometer and a G-Force Sensor. With the SP8600 series, trip data can be obtained from any vehicle. Typical uses include vehicle rentals, the monitoring of young drivers, tracking mileage for business and fuel card validation.

FEATURES

- 16G G-Force Sensor
- 2G/3G Modem Versions
- Accident Detection
- AGPS 50 Channel High Sensitive Module
- Geofence Management
- Intelligent Power Management
- Internal Backup Battery
- IP or Domain Configuration
- Over Speed Management
- Plug & Play
- Quad Band GSM Modem (Telit/Cinterion)
- Real Time GPS Tracking

- TCP and SMS support
- User Profile
- GSM Association Approved
- Self-calibrating 3D Accelerometer
- GPS and LBS Positioning
- SMS and Internet Communications
- Driver Behavior Calculation
- Collision Detection
- Anti Jamming
- SIM Card Balance Indication
- Anti Towing Alert
- Speed Alerts

SP8600 Series
Specifications

GENERAL

Communication Modes	GPRS/EDGE and TCP/UDP/SMS
Location Technology	50 Channels GPS
Operating Voltage	12 and 24 Volt Vehicle Systems

GPS

Location Technology	Ublox GPS (With SBAS) Telit SL869 Glonass (optional) GPS L1 C/A Code SBAS, WAAS, EGNOS, MSAS
Accuracy	SBAS 2.0m CEP
Tracking Sensitivity	-162dBm
Antenna	Patch Internal
Assist GPS	Supported

CELLULAR

Data Support	SMS, TCP, UDP
2G GSM/GPRS	Quad Band 850/900/1800/1900MHz
3G Dual Band US	850/1900 MHz (optional)
3G Dual Band EU	900/2100 MHz (optional)
GSM/GPRS O/P Power	Class 4 (2W) for 850/900 Bands Class 1 (1W) for 1800/1900 Bands
GSM/GPRS Fall Back	GPRS Class 10
HSPA Data Speed	5.76Mbps UL/7.2Mbps DL (optional)
SIM Card	1.8/3.3 V

INPUT/OUTPUT

USB	Configuration Firmware Update
Ignition Sense	Internal Management

ON BOARD

CPU	ARM Cortex M3
Flash Memory	4Mbit (8000 records)
3D Accelerometer	Built-in

ELECTRICAL

Operating Voltage	8-32V DC operational for 12V and 24V vehicle support per SAE J1455
Battery	LI-PO 250mAh battery Recharging range: 0 to +45°C
Power Consumption	3mA 12V (sleep) 33mA 12V (power save) 130mA 12V (active tracking)

PHYSICALS

Dimension	108 x 32 x 32 mm
Weight	55g (with battery)

ENVIRONMENTAL

Operating Temperature	-10 ~ +50°C (with backup battery)
Humidity	95%RH @ 50°C non-condensing
Shock & Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI	SAE J1113; FCC – Part 15B
RoHS	Compliant (optional)

CONNECTORS, SIM CARD ACCESS

Interface	Vehicle cigar lighter
Mini USB	1
GPS Antenna	Internal
GSM Antenna	Internal
SIM Card	Internal

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