



SP2600 Series

Economical GPS Tracking Device

With the functionality you need and without unneeded capabilities that increase the cost of a device, the SP2600 is ideal for most fleet and other tracking purposes. Focusing on reliability as a foremost design goal, you can count on dependable connectivity. The SP2600 is also available with an optional 750mAh back-up battery so that it can be configured for a particular application or use case.

The unit features FOTA (Firmware Update OTA), a 3-axis accelerometer for motion sense, and has one input and one output (I/O). The SP2600 is a complete tracking unit with two versions: 2G as well as 3G covering all 5 bands of 3G communication. It is designed for 12 or 24 volt mobile vehicles with a quick and easy installation procedure.

FEATURES

- 2G and 3G Modem Options
- HSPA Version Support all 5 Bands
- Self-Calibrate 3D Accelerometer
- FOTA (Firmware Update OTA)
- Flexible Programming Rules
- HDOP/VDOP for Precise Location
- Driving Behavior
- GSM Jamming Detection
- Multiple Data Upload Modes
- Intelligent Power Management
- Conditional Based Profiles
- Internal Backup Battery
- 28 Day, Time & Speed Based Geofences
- 128 Way Points for Delivery Management

SP2600 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	50 Channel Ublox GPS (With SBAS) GPS L1 C/A Code SBAS, WAAS, EGNOS, MSAS
Accuracy	SBAS 2.0m CEP
TTF (Open Sky)	Cold Start: 27s (Average) Warm Start: 27s (Average) Hot Start: 1s (Average)
Update Rate	1 second
Tracking Sensitivity	-162dBm
Antenna	Patch Internal
Assist GPS	Supported

CELLULAR

Data Support	SMS, TCP, UDP
Modem	HL6528 or HL8548
GSM/GPRS	850/900/1800/1900
UMTS WCDMA FDD	800/850/900/1900/2100 (optional)
HSPA Data Rate	5.76Mbps UL/7.2Mbps DL (optional)
SIM Card	1.8/3.3 V (Micro SIM)

INPUT/OUTPUT

Digital Input	1 (IGN IN)
Digital Output	1 digital output (Relay), open drain, 300mA drive current max.
Status LEDs	Power, GPS, Cellular

ON BOARD

CPU	ARM Cortex M3
Flash Memory	2000 Buffered Message
3D Accelerometer	Built-In

ELECTRICAL

Operating Voltage	8-32V DC operational for 12V & 24V Vehicle support per SAE J1455
Backup Battery	LI-PO 750mAh (optional) Recharging Range: 0 to +45°C
Power Consumption	1mA 12V (sleep) 12mA 12V (power save) 100mA 12V (active tracking)

PHYSICALS

Dimension	94 x 47 x 20.50 mm
Weight	78g (without battery)

ENVIRONMENTAL

Operating Temperature	-40°C To +80°C (w/o backup battery) -10°C To +50°C (w/ 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

Connector Type	Captive wire harness 4 wires
USB	Configuration & firmware update
GPS Antenna	Internal
GSM Antenna	Internal
SIM Card	Micro SIM & Embedded SIM Support

MOUNTING

Tie Wrap, Velcro or Adhesive

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