



SP4201

First-Class Functional Tracker

The Skypatrol SP4201 tracker is a completely stand-alone product that contains: control circuitry, microprocessor, software, cellular modem, GPS receiver, cellular antenna, GPS antenna, accelerometer and discrete I/O; all assembled into a compact plastic enclosure. Its compact form factor makes it an ideal solution for vehicle tracking and recovery and usage-based insurance markets. Skypatrol's integrated design is suited for interior vehicle environments. With Over-The-Air (OTA) capability, this device can be installed in a vehicle without removal concern. Discrete I/O circuits provide additional control over the vehicle such as starter disabling or door unlock. The SP4201 is CDMA/GSM based reliable solutions for various vehicle application markets. Once installed, the software does not require any intervention from end user (driver).

FEATURES

- Real time vehicle tracking and monitoring
- Updates and configuration Over-The-Air
- Data logging capability
- Geofencing and polyfencing
- Built-in 3 axis accelerometer
- Real time locator via SMS
- Configuration via SMS
- Secondary server support
- General I/Os
- Battery monitoring
- Audible warning
- LED indicators for GPS and cellular status

SP4201

Specifications



GPS

Sensitivity	Tracking Mode: -162dBm Cold Start: -148dBm
GPS TTFF	Cold Start: 30s

CELLULAR

Modem Type	Integrated GSM/GPRS
Cell Modem	CDMA: 800/1900 MHz GSM: 850/900/1800/1900 MHz UMTS/HSPA: 850/1900 MHz

INPUT/OUTPUT

Configurable I/O	Yes
Analog Input	3
Digital Input	3
Digital Output	4
Interfaces	RS-232 Serial
LED Indicators	GPS and cellular status

ON BOARD

3-Axis Accelerometer	MEMS type, 0.01g sensitivity.
Firmware Upgrade and Configuration	Over-the-Air
Data Storage	Flash Memory: 192 KB RAM Memory: 20 KB Serial EEPROM: 512 KB

ELECTRICAL

Operating Voltage	6-32V
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PHYSICALS

Dimension	89 x 61 x 20 mm
Weight	82g
Case Material	ABS plastic

ENVIRONMENTAL

Operating Temperature	-25°C to +70°C
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CONNECTORS

Connector Type	8-Pin and 12-Pin Micro Fit
GPS Antenna	Integrated
Cellular Antenna	Integrated

CERTIFICATIONS

Compliance	FCC part 15 Class B compliant
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