

S-911 Personal Locator™

S-911 Personal Locator Features

- ❖ Available for GSM/GPRS 850/1900 MHz & 900/1800 MHz
- ❖ Complies with FCC & CE
- ❖ Size 10 x 4.5 x 2.4 cm
- ❖ GPS, GPRS & Power indication LEDs
- ❖ Rechargeable Li-Ion Polymer 1100mAh or 1500mAh battery
- ❖ 3 x Emergency buttons
 - a. First fixed phone number for 2-way communication (Dad's phone number), plus SMS sending capability
 - b. 911 Call button with silent call feature by digital voice with location report
 - c. Second fixed phone number for 2-way communication (Mom's phone number), plus Instant Geo-Fence capability
- ❖ 1 x Power button and 1 x Function button
 - a. Power On-Off button, sleep mode and stand by mode feature
 - b. Function button for switching mode between GSM – GPRS, trigger SMS & Geo-Fence
- ❖ Multi-language support is optional. Users can select between English – Spanish
- ❖ USB connection through Data Port for configuration and GPS NMEA 2.0 output
- ❖ Individual Geo-Fence capability with in/out of fence reporting
- ❖ Data logger capability built in with 256Kb flash memory to record time stamp, speed, position, and event state
- ❖ G-sensor to report impact, accident, bad driving, from 2G to 6.5G
- ❖ Parameter settings modifiable by Air or through local S-911 Data Port
- ❖ Real time dynamic reporting based on time interval or distance travelled
- ❖ Mileage accumulator with built-in Speed limit alert



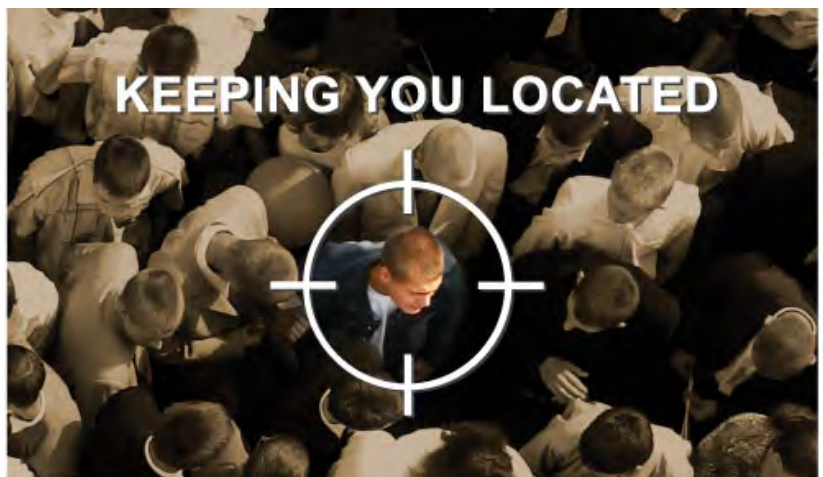
S-911 Personal Locator™

Laipac's S-911 Personal Locator is a mini portable device with ultra high sensitivity GPS and cell phone components for applications such as: child protection, anti-kidnapping, personal safety, law enforcement, asset control, vehicle tracking, fleet monitoring, animal control, and much more. It is now easier than ever to protect your loved ones.

LocationNow.com

LocationNow.com offers a Complete Internet Location Solution using GPS and Wireless Communication

Laipac Technology Inc. has created the LBS Solutions Centre to offer the Location Based Web Application for end-users, system integrators, and service providers. Our robust backend solution can efficiently handle small projects (<10 devices) as well as large projects (>1000 devices). Our solutions have been tested in the field by worldwide customers. We will make your life much easier and greatly reduce your time-to-market. For more information, please visit LocationNow.com or contact our sales dept. sales@laipac.com



PERFORMANCE

HIGH-QUALITY

The S-911 is manufactured by Laipac's assigned CM under ISO & QS standards.

COMPACT SIZE

The S-911 is light-weight and compact for easy carrying.

GPS W/ INDOOR CAPABILITY

Built-in high sensitivity GPS receiver can provide the best accuracy anywhere in the world.

ONE MODEL FOR EACH NEED

The S-911 comes in different versions for use on different wireless networks: GSM/GPRS 850/1900 – GSM/GPRS 900/1800

STRENGTH & DURABILITY

ENVIRONMENTAL TESTS

In addition to FCC, CE and PTCRB requirements, the S-911 meets most industrial standards.

CASING

The shock resistant case provides a sealed battery compartment design for use in rough environments.

SECURITY

PRIVATE PROTOCOL

Laipac's S-911 protocol provides high efficiency and security for 2-way communications by GPRS or SMS between the Unit and the Control Centre.

ID & PASSWORDS

Unique ID and password for each S-911 unit.

Electrical & Environmental

Characteristic	Min	Typical	Max	Units
Li-Ion Battery Voltage	4.0	4.2	4.7	V
Current Consumption in operation mode	-	90	100	mA
Current Consumption in Stand-by mode	-	7	10	mA
Current Consumption in Sleep Mode	-	1	-	mA
Peak Current (< 100ms)			1500	mA
Supply ESD susceptibility			12	KV
Ambient operating temperature	-35		70	°C
Storage temperature	-40		100	°C

GPS ENGINE SPECS

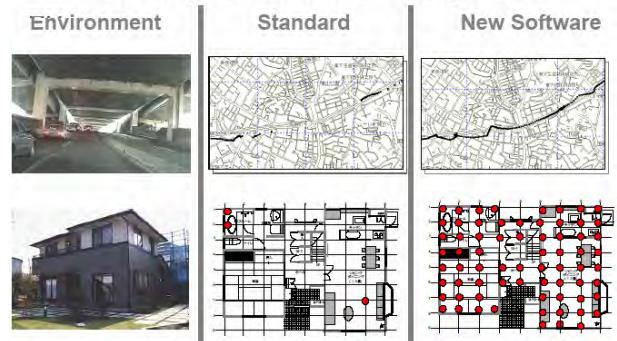
Characteristic		Units
Channels	20	Ch.
Position accuracy	3-10	Meter
Velocity accuracy	0.1	M/S
Time accuracy	1	uS
Cold start acquisition time	48	S
Warm start acquisition time	38	S
Hot start acquisition time	1	S
Maximum altitude tracked	18,000	M
Maximum velocity tracked	515	M/S
WAAS/EGNOS/MSAS	Yes	
GPS Sensitivity	-160	dBm

HARDWARE FEATURES

- GPS, GSM/GPRS, and Status LED indication.
- Fixed number one-button dialing for emergency calls to parents, friends, relatives, and/or authorities.
- 911 one-button dialing with digital voice greeting plus location report to emergency control centre.
- Fixed number SMS sending button for monitoring purposes.
- Internal rechargeable 1100mAh or 1500mAh Li-Ion battery
- Sleep mode can allow up to a week of battery life.
- Data logger ready device with 256Kb internal flash memory records time stamp, speed, position, and event state. The data can be downloaded through the S-911's Data Port or through the Air by GPRS.
- Time interval and distance traveled settings for Intelligent position reporting and data recording.
- Configuration can be performed over the internet.
- Built-in active GPS and GSM embedded antennas.
- High sensitivity near-indoor GPS receiver built-in with typical accuracy of 3–10 meters.
- Mileage accumulator built-in with Overspeed alert.
- Event warning when S-911 is out of the selected Geo-Fence.
- 3 axial G sensor built in

HIGH SENSITIVITY GPS FOR S-911

Some performance examples...



Coverage - Single Story Office Block

