- Water Resistance
- Super sensitive and high accuracy
- Quad Band GSM/GPRS frequency
- Low Power Consumption, Long standby time
- A-GPS Ready Solution
- Embedded full-featured @ Track protocol
- RoHS Compliant

LC-500

Powerful GPS Locator
Compact Size

- Transmit Protocol
- Report Position follows a pre-set fix interval and report interval
- 5 Geo-Fence regions can be defined. One of them can be quick set by function key.
- Alarm when backup battery is low
- Report when the device is power on
- Report when the device is turned off
- SOS alarm when function key is pressed

LC-500 is a powerful GPS Tracker designed for vehicle, pet and asset tracking. With superior receive sensitivity, fast TTFF (Time to First Fix) and Quad-band GSM frequencies 850/900/1800/1900 its location can be monitored or periodically reported to a backend server or other device.

Based on the embedded @ Track protocol, the LC-500 can communicate with the backend server through the GPRS/GSM network (or SMS) to report Emergency Alerts. Geo-fence boundary crossings, Low battery and scheduled GPS positions along with several other advanced reporting features. System Integrators can easily setup their custom tracking platforms to communicate with the LC-500 based on the @ Track protocol.

For any further queries, please email to sales@i2tc.com.

I2TC Inc.

LC-500 | PRODUCT SPECIFICATIONS

General Specifications

Dimension:	66mm* 36mm * 20mm
Weight	60 g
Backup Battery	Li-Polymer 1300 mAh , 3.7 V
Standby Time	Without reporting :180 to 220 Hours 5 minutes reporting : 70 to 90 Hours 10 minutes reporting : 100 to 120 Hours
Charge Voltage	5 V DC
Water Resistance	Follow IPX6 Standard
Certification	PTCRB and FCC

GSM Specifications

Frequency	Quad-Band: 850/900/1800/1900MHz Compliant to GSM phase 2/2+ -Class 4 (2W @ 850/900MHz) -Class 1 (1W @ 1800/1900MHz)
GPRS	GPRS multi-slot class 10 GPRS mobile station class B
RMS Phase Error	$\leq 5deg$
Max Out RF power	33.0dBm$\pm 2dBm$
Dynamic Input Range	-15~ - 102 dBm
Receiving Sensitivity	Class II RBER$\leq 2\%$ $(-102\mathrm{dBm})$
Stability of Frequency	Greater than 2.5ppm
Max Frequency Error	$\pm 0.1ppm$

GPS Specifications

GPS Chipset	SIRF Star III GPS Receiver Sensitive, Fast and Accurate
Sensitivity	Autonomous Acquisition -142 dBm Hot start -155dBm Tracking - 156dBm
Channels	20 channel all-in-view tracking
TTFF (Open Sky)	Cold start 44 s average Warm start <38s Hot Start <2 s

User Interfaces

Mini USB Connector	Include charge and UART
Power Button	For power on and power off. Can be disabled using the air interface protocol
Function Button	For SOS alarm or quick setting of Geo-Fence