



LT-100

LOW COST TRACKING FUNCTIONALITY WITH A COMPACT DESIGN

Laird's Track Device 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 and low cost make it an ideal solution for vehicle tracking and recovery and Usage Based Insurance markets. Laird'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 Laird Track Device 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
- Over-The-Air firmware updates and configuration
- Data logging capability
- Geo fencing and Poly fencing
- Built-in 3-Axis Accelerometer
- Real time locator via SMS
- Configuration via SMS
- Built-in Laird STEL protocol support
- Secondary Server support
- General I/Os
- Battery Monitoring
- Audible warning
- LED indicators for GPS and cellular status

MARKETS

- Asset Tracking
- Power Sports/Motor Vehicles
- Small Fleet Management

BENEFITS

- Robust hardware and firmware design
- Cost effective vehicle tracking solution
- In-house advanced antennas design enable better reception
- Multiple I/Os provide more vehicle control
- Towing and anti-theft detection



QUICK
EVALUATION



COLLABORATIVE
DESIGN



THOROUGH
VALIDATION



RELIABLE
FULFILLMENT



ONGOING
SUPPORT



FLEXIBLE
PLATFORMS



INNOVATIVE
FEATURES



SYSTEM
SOLUTIONS



ROBUST
IMPLEMENTATIONS

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SPECIFICATIONS

Hardware	
Operating Voltage	6 V- 16 V
Cell Modem	CDMA: 800/1900 MHz, GSM: 850/900/1800/1900 MHz
GPS Sensitivity	Tracking: -162 dBm, Cold Start: -148 dBm
Configurable I/O	1 Analog Input, 2 Digital Output
Memory	192 KB Flash Memory, 20 KB RAM, 128 KB Serial EEPROM
Accelerometer Sensor	MEMS type, 3-axes, 0.01g sensitivity
Interfaces	TTL to Serial Connection for Debug
Mechanical	
Dimension	74 x 56 x 15 mm/ 2.9 x 2.2 x 0.6 in
Connector	8-Pin Micro Fit Connector
Housing Material	ABS
Operating Temperature	-25°C to +70°C
Certification	
Compliance	FCC part 15 Class B compliant, PTCRB
Carrier	Verizon

ABOUT LAIRD

Laird designs and manufactures customized, performance-critical products for wireless and other advanced electronics applications. Headquartered in Saint Louis, Missouri, USA, Laird has a global presence, with engineering, manufacturing, and sales facilities located in the Americas, Europe, and Asia.

The company is a global market leader in the design and supply of electromagnetic interference (EMI) shielding, thermal management products, specialty metal products, signal integrity components, and wireless antenna solutions, as well as radio frequency (RF) modules and systems.

Laird partners with its customers to customize product solutions for applications in many industries including:

- Telecommunications
- Mobile Communications
- Network Equipment
- Automotive
- Industrial & Instrumentation
- Heavy Vehicles

Laird offers customers unique product solutions, dedication to research and development, as well as a seamless network of manufacturing and customer support facilities across the globe.

CVS-DS-LT100-060116

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