



THE FASTEST WAY TO WIRELESS

Laird Technologies' Wireless Intelligent Telematics Solution (WiTS) product is a real-time, store-and-forward telematics platform that uses airtime-free 802.11, Wi-Fi or Bluetooth® short range wireless as an alternative for high-cost cellular networks. Using WiTS allows deployment of a complete underlying vehicle data acquisition system that underpins almost any fleet management application without on-going cellular data costs.

This user-installed vehicle unit gathers information from the vehicle's diagnostics port and stores up to 150 hours of vehicle journey information, along with the location from a built-in, highly accurate GPS receiver and driver behavior information from a three-axis accelerometer. The combined information is then passed into the WiTS backend using cellular-free access over standard Wi-Fi or Bluetooth to push the vehicle, location, and driver data into a secure database. WiTS has an optional GPRS modem that provides the same detailed data in real-time for those that require real-time tracking.

Laird Technologies' WiTS product uses the latest in high-performance hosting technology to provide a highly scalable and secure web-based database store that can be hosted just about anywhere. The vehicle unit functionality and operation are updated over the air using our highly reliable OTA protocol, allowing the most versatile, adaptable, and flexibly deployed telematics solution available.

FEATURES

- 802.11b/g wireless interface
- GSM / GPRS option
- Bluetooth® (optional)
- Least cost routing for data
- High-sensitivity GPS
- Supports all OBD II compliant vehicles
- 3-axis Accelerometer
- Real-time vehicle monitoring
- Tamper detection
- Battery backup

APPLICATIONS

- Pay-as-you-go insurance
- Fleet management
- Trailer and content monitoring
- Remote vehicle diagnostics
- Auto tolls
- Route planning

BENEFITS

- Simple robust solution
- Ideal for fleet managers
- Encrypted and secure data
- Low power
- Lowest cost of ownership
- Least cost routing for data
- Robust design
- Extensive technical support

global solutions: local support™

USA: +1.800.492.2320

Europe: +44.1628.858.940

Asia: +852.2268.6567

wirelessinfo@lairdtech.com

www.lairdtech.com/wireless



Innovative **Technology**
for a **Connected** World

Wireless Intelligent Telematics Solution

SPECIFICATIONS

Wireless Interface	802.11b/g
Optional Wireless Interface	Bluetooth® Class 1 GSM/GPRS
Least Cost Routing	Wi-Fi, GPRS, GSM, and Bluetooth
Security	Encrypted using Blowfish Algorithm
Power	+8v to +30v
Trip Memory	Up to 150 hours logged data
Vehicle Unit Tamper Detection	Physical damage to unit and event logging (removal and unauthorized vehicle connection)
Over-the-Air Configuration	Vehicle unit functionality featuring updated over-the-air configuration using Laird Technologies' UWScript
Wi-Fi Range	100 Meters
Temperature Range	-40°C to +85°
Real-time Tracking	GPRS
Lead Free	RoHS compliant
Backup Battery	Lithium polymer 700mA
Accelerometer	3 axis – 100ms sample rate
OBD Protocols	J1850 VPW PWM, ISO9141-2, ISO14230, J1979, J2178, KWP2000
CAN	ISO15765-4

WMT-DATA-WiTS 0309

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