

# ASTUS TAG



## Manage Your Fleet More Efficiently With Astus Tracking System

The Astus Tag module is designed to help fleet managers to focus on controlled operation costs, improved performance and enhanced security activities associated with the operation of vehicle fleets.

Astus Tag employs communication modules to access real time or historical vehicle data through the cellular network. Fleet administrators can process the data to generate exception reports, and comprehensive analyses of the fleet and its drivers.

The result is a complete and versatile solution in which GPS technology and wireless communications are incorporated.

## How You Will Benefit From Astus Tag System

The Astus Tag module combined with Astus 2012 software is a powerful tool for managers, providing instant access to accurate and precise data on the use of vehicles. This data is critical for:

### MORE EFFICIENT MANAGEMENT



- Fleet supervision
- Maintenance and delivery management
- Notifications to drivers

### IMPROVED AND OPTIMIZED PERFORMANCE



- Reduction of fuel costs
- Reduction of overtime
- Organization and verification of procedures

### OPTIMIZATION OF VEHICLE OPERATIONS



- Real-time position and monitoring of multiple vehicles
- Itineraries tracking, verification of stops
- Speed, idling, compliance with stops

### PRODUCTION OF EXCEPTION REPORTS



- Excess speeding and idling
- Location and duration of stops
- Overall fleet performance

### OPTIMIZATION OF CONTROLS AND SECURITY



- Cargo and driver security
- Risk management
- Safety precautions



# TECHNICAL SPECIFICATIONS

## Features

A product of years of development and technological progress, the Astus Tag system is constantly evolving to meet the growing needs of customers. Its main features include:

- Vehicle tracking in real time on a detailed map
- History of the routes followed, and stops
- Hours of driving, and mileage
- Duration of idling, speed, standards overrun
- Monitoring of equipment usage or vehicle components (e.g., opening of hood and doors, PTO use)
- Remote-control accessories (e.g., unlocking the doors)
- Drivers identification
- Refresh of position on change of direction, or up to every 15 seconds
- Store and Forward data management which records activity outside the cellular network
- Remote configuration and firmware update (OTA)

## Technical Components

GPS Sirf star III, high sensitivity, 20-channel, low power, 2.5 meter resolution	Modem HSDPA / GPRS Class 4 (850 / 900 MHz) Class 1 (1800 / 1900 MHz)
32-bits microprocessor with RTOS architecture	5 configurable inputs (digital, analog, pulse)
4 configurable outputs, remotely controllable	DB9 - RS232 serial port
Internal rechargeable Li-Ion battery	Firmware remote update enabled

## Complements to Astus Tag Module

Astus Tag provides the basis for several other products with various utilities:

### ASTUS ID

Drivers identification by RFID, when connecting to the vehicles.

### ASTUS GARMIN

Astus Tag is combined with a Garmin navigation screen to provide a fleet management system even more complete, and better dispatching.

### ASTUS FLEX

With the same features as Astus Tag, but with the particularity of being mobile, so it can be connected to vehicles as well as trailers or valuables. It works in standalone mode, on batteries.

### ASTUS TK

Astus Tag interfaces to the Thermoking® refrigeration system for temperature control during transportation (actual and desired temperatures, alarm when temperature exceeded).

