Smart and compact IoT solutions.

TrackingHAWK *Eagle*™

2G/3G/4G

Ultimate GPS Tracking Device

TrackingHAWK *Eagle*™ is an advanced, reliable, and fully featured vehicle tracking device, designed for effortless and dependable installation in automobiles and other critical movable assets. It serves as an ideal solution for fleet management—whether small or large—vehicle theft recovery, and detecting unauthorized vehicle use, among other applications.

Competitive Price, Latest Technology, Competitive Edge

The *Eagle*™ is a competitively priced, high-value, and compact tracking unit from Softcruise, featuring advanced GPS performance, an optional internal battery backup of either 180 mAh or 1100 mAh, and a 6-axis accelerometer for motion and tilt sensing. It also includes a low-power sleep mode and Input/Output (I/O) jacks for versatile applications.

This device operates on 2G, 3G, and 4G cellular networks, and can be easily installed in any vehicle operating from 12 ~ 55 volts. Messages are transmitted through cellular networks using SMS or TCP messaging servers. It is engineered to significantly reduce costs while delivering exceptional reliability, ensuring an enhanced competitive advantage for your business.

Flexibility

The *Eagle*™ integrates the TrackingHAWK advanced GPS module to monitor vehicle status and generate precise reports based on either preset or newly defined parameters, tailored to meet client requirements. It continuously tracks the vehicle's metrics and responds instantly to preset or newly configured conditions, including time, date, location, geo-zones, and additional inputs.

It can be pre-programmed to match client specifications before shipment or configured at the client's facility. Additionally, it supports over-the-air programming after installation, ensuring flexibility and adaptability to evolving client needs.

Over-The-Air Serviceability

The *Eagle*™ utilizes the TrackingHAWK proprietary management and maintenance system for seamless over-the-air updates of firmware (i.e., the software operating the unit) and related parameters. These updates also actively monitor the unit's health across all parameters, allowing the system to identify and resolve potential issues before they escalate into significant and costly problems.

Experience The Advantage:

- Easy installation in 12 ~ 55 Volts vehicles
- Compatible with Electric Vehicles (EV)
- Economical and flexible device
- Easy cloud based data accessibility
- Built-in 6-axis accelerometer for motion and tilt sensing
- 5x Digital inputs, 1x 1-Wire input, 2x Digital outputs, 1x Analog input
- Optional built-in battery backup of 180 mAh or 1100 mAh
- Built-in 512 MB memory for offline locations
- Built-in or external cellular and GPS antenna for easy installations
- Built-in or connector harness
- Over-the-air configuration and firmware updates
- 100% Japanese Capacitors
- Bluetooth configuration & diagnostics
- 1-Wire temperature sensor, Driver identification & RFID solution.

TrackingHAWK *Eagle™*

Specifications

GNSS

Location Technology	GPS, GLONASS, BEIDOU, GALLILEO
Receiver Type	66 channels
Tracking Sensitivity	–165 dBm
Acquisition Sensitivity	–148 dBm
Re-acquisition	–156 dBm
Enhancement Technology	SBAS: WAAS, EGNOS, MSAS, GAGAN
Location Accuracy	<2.5m
Location Update Rate	up to 10Hz
AGPS / Location assistance	Available
Capable anti-jamming	Available

Input / Output

Digital Inputs	5 Digital Inputs (1 for ACC Ignition)
Digital Outputs	2 Open Collector (150mA)
Analog Input	1 AIN 1 AIN for external battery monitoring
1-Wire	1 Input (supporting 5 Temperature Sensors, 5 iButton Readers & 5 RFID)
Status LEDs	GNSS and cellular

Electricals

Input Voltage	12 ~ 55 VDC (startup, operating) 12 ~ 55 VDC (momentarily)
Power Consumption	<2mA @ 12/24 VDC (deep sleep) <20mA @ 12/24 VDC (radio-active sleep) <25mA @ 12/24 VDC (no transmission) <115mA @ 12/24 VDC (continous transmission)
Back-up Battery	(Optional) Lithium-Ion 180 mAh or 1100 mAh

Physical Characteristics

Dimensions	2.125” x 3.5” x 0.93”, (54 x 89 x 24mm)
Weight	(82g)

Cellular Characteristics

Data Support	SMS, TCP Packet data
Operating Bands (MHz)	LTE-TDD, LTE-FDD, 3G, GSM, GPRS

Connectors, SIM Access

Connection Type	Captive 12 wire harness + 4 wire harness
SIM Access	Internal
External GPS	Optional SMA (with tamper monitoring, 3V)
External Cellular Network	Through Internal antenna

Environmental Characteristics

Temperature	-30° to +75° C (connected to primary power) -40° to +85° C (storage)
Humidity	95%RH @ 50° C non-condensing
4G Module	A7672E
GPS	Ublox Neo - M8N

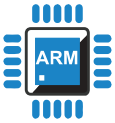
Mounting

Standard tie-wrap or adhesive, screw mount bracket

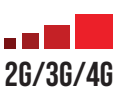
Key Features

- Two way voice communication
- 5,000 Buffered messages (No Cellular Coverage)
- 500+ Geofences with Overspeeding & Excessive Idling Limit
- Over-the-air unit configuration
- Over-the-air firmware updates
- Web based device management
- Authorized driving: 1-Wire iButton ID (up to 15000 keys)

Powerful CPU



LTE Modem



High Precision GPS

Bluetooth

Driver Identification

Temperature

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***All specifications are subject to change without prior notice**