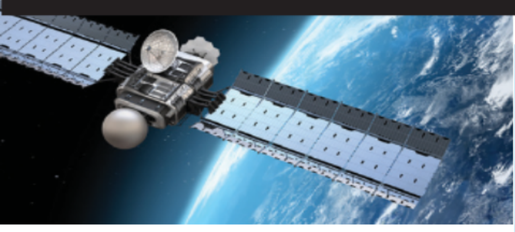


IKON-A

HIGHLIGHTS

The IKON-A tracker is a real-time vehicle tracking system des igned for vehicle recovery, fleet management, and more..

.IT'S RELIABLE

The ultra-thin yet durable Wildcat is a high-performance cell ular tracking device designed for vehicle financing, vehicle tr acking, lot management, theft recovery, or other fleet applic ations. With an integrated GNSS receiver, the Wildcat includ es an LTE Cat-M modem for wireless data communication. T he built in high performance antennas for both cellular radio and GNSS receivers make installation easy.

IT'S SIMPLE

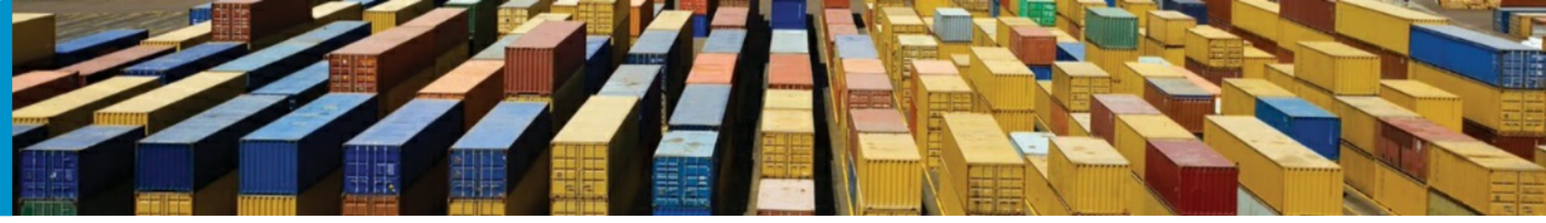
No programming skills required; the Wildcat comes with ea sy-to- configure application software and an extended AT co mmand set. Reports can be triggered periodically or in respo nse to events such as motion, speeding, harsh acceleration and braking, geo-fence violations, and battery status. Notific ations can be sent for vehicle towing, battery removal, and more.

IT'S FUNCTIONAL

The Wildcat interface supports serial communication with ex ternal terminals and devices, as well as IO options dedicated to ignition, starter inhibit, and buzzer.

A built in 3-axis accelerometer enables motion detection and monitoring of driver behavior. An internal Lithium-Ion back up battery allows for continuous operation more than 2 day s @ 1 report per day when the device is disconnected from t he main power. An optional buzzer alert system for driver wa rnings is available inside the unit.

- LTE-CAT M1
- Integrated cellular and GPS antenna
- LED status indicators for GPS and network re gistration
- BLE5.0 support, low power consumption
- Integrated accelerometer
- I/O options to support ignition, buzzer, and rel ay.
- Communication via SMS, UDP, Ack UDP
- Configurable reporting schedules
- Over-the-air configuration and firmware upg rade
- Extended AT Command set for flexible and ea sy configuration



Specification

CELLULAR

- CAT M1 LTE: 699/787/1710/1850/2155 B2@20±1dBm/ B4@20±1dBm / B12@18±1dBm /B13@18±1dBm /B25@20±1dBm
- Integrated high sensitivity antenna
- Auto register to packet network

GPS

- Channels: 55
- Tracking Sensitivity: -161 dBm
- Acquisition Sensitivity: -146 dBm
- Location Accuracy: <2.5 CEP

BATTERY INFORMATION

- Battery Type: 1 * KP401422 Li-ion/80mA
- Battery Life: > 2 days @ 1 report per day

ENVIRONMENTAL

- Operation Temperature: -20°C to +60°C
- Storage Temperature: -40°C to +80°C
- Operation Humidity: 20% to 90% (non-condensing)
- Storage Humidity: 10% to 95% RH (non-condensing)
- Designed to meet SAE J1455, SAE 113, and J1 21

ELECTRICAL

- Operating Voltage: 8V-32VDC
- On-battery
  - Hibernate: <400uA
  - Tracking 40mA Typical

On-12V

  - Hibernate: <400A
  - Sleep: <2.5mA
  - Tracking: 30mA Typical
  - Reporting: 130mA Typical

PHYSICAL

- Dimensions: 87.0mm x 48.0mm x 13.5mm
- Weight: 90g
- Internal Cellular and GPS Antenna

INTERFACE CONNECTOR

- I/O Connector: 8-pin connector
- UART_TTL (3.3V) (RX/TX)
- Buzzer output signal
- Ignition signal for car start
- Relay switch signal
- GPIO configuration signal

APPROVALS

- FCC
- PTCRB & Carrier Approved

FCC Regulations:

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  —Reorient or relocate the receiving antenna.

  —Increase the separation between the equipment and receiver.

  —Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

  —Consult the dealer or an experienced radio/ TV technician for help.
- Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with FCC RF Exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for the transmitter must be installed to provide a separation distance of at least

20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.