



Kingfisher Premium 2

CELLULAR 4G LTE-M / NB-IOT

OVERVIEW

Feature-rich and affordable vehicle tracking device with inputs/outputs, remote immobilization for fleet management, driver ID, driver safety and behavior monitoring, theft recovery, and more.

APPLICATIONS

- Fleet Management
- Real-Time Vehicle Tracking
- Theft Recovery
- Drivers ID
- Driver Safety & Behaviour
- Accident & Rollover Detection
- Remote Immobilization
- Lone & Remote Worker Safety
- Run Hours Monitoring
- Preventative Maintenance
- Digital Log booking

FEATURES



High-precision GPS/GLONASS tracking device plugs into existing OBDII ports



Hardwired to permanent power for real-time tracking



Internal Backup Battery in case of loss of power or tampering



2 x Digital Inputs, 1 x Switched Ground Digital Output, 1 x Ignition Digital Input, Switched Power Out



Configure iButton® and RFID readers for Driver ID



Accident and rollover detection, speeding, harsh braking, and more



Optional OBDII or Cigarette Lighter Power Harness available for Plug and Play Installation



SMARTS

GEOFENCING

Create custom geofences and alerts if an asset enters or leaves specific locations.

IMPACT DETECTION

Configure impact-detection alerts when g-forces are exceeded by a user-defined threshold.

PREVENTATIVE MAINTENANCE

Set reminders based on distance traveled and run hours to reduce maintenance and repair costs.

PERIODIC OR MOVEMENT-BASED

Configure parameters to send updates based on set time intervals (1x, 3x, 5x a day, etc) or when movement occurs. Adaptive tracking technology detects when the device is on the move and increases the update rate, providing detail when you need it while conserving battery when stationary.

RUN HOUR MONITORING

Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization.

ACCIDENT ROLLOVER DETECTION

Configure accident and rollover alerts triggered by extreme changes in velocity and orientation of vehicle or equipment. Second-by-second GPS data is saved on the device's flash memory with a capacity of approximately 2 hours of data. In the event of an accident, a subset of the data (60 seconds before / 10 seconds after) is uploaded to the server automatically

SLEEP MODE

Stationary devices enter sleep mode, switching the update rate to only twice per day until movement occurs to conserve battery life and optimize data usage.

REAL-TIME TRACKING

Device remains continuously connected while on the move for real-time asset tracking.

IN-VEHICLE ALERTS

Can be wired up to external buzzers or lights for in-vehicle alerts. Also features Built-in-Buzzer for alerts

RUN HOUR MONITORING

Calculate run hours and distance traveled (odometer) to understand and optimize asset utilization.

REMOTE IMMOBILIZATION

Digital outputs can be connected to a relay to enable remote immobilization of vehicles and equipment in the case of theft, abuse, or unauthorized usage

TAMPER ALERTS

Instant alert if the device is removed from your asset or disconnected from its power source.

SENSOR MONITORING

Interface with a range of devices and switches for seatbelt detection, duress and panic buttons, lights, in-cab warning buzzers, and more.

DRIVER SAFETY & BEHAVIOR

Monitor speeding, harsh acceleration, braking, cornering, idling, and more to improve safety and prevent unnecessary wear on vehicles.

TECHNICAL SPECIFICATIONS

POWER

Input Voltage	8-36V
Operating Current	25/50mA when moving, Sleep Current <1 mA
Back-Up Battery	200mA LiPo internal backup battery pack

PHYSICAL SPECIFICATION

Dimensions	L 95 x W 55 x H 17 mm
Weight	79g
Housing	ABS Polycarbonate Plastic
Operating Temperature	-20°C to +60°C

COMMUNICATION

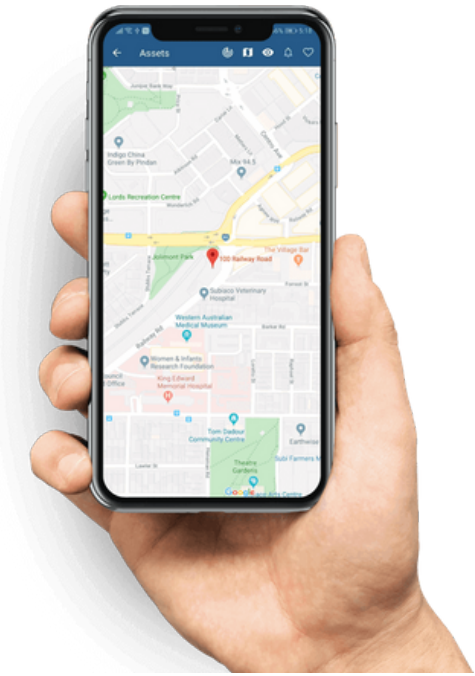
GPS	Concurrent GPS / GLONASS Internal Antenna
Cellular	Antenna Internal
Security	AES-256 Encryption from device to server
Integration	Third-Party Integration Webhook, TCP or HTTPS

PERIPHERALS

3-Axis Accelerometer	3-Axis Accelerometer to detect movement and high G-force events
Flash Memory	Store weeks of records if device is out of cellular coverage. Storage capacity for over 10 days of continuous 30-second logging.
Digital Inputs	2 x Digital Inputs (0-48V DC input range)
Digital Outputs	Digital Outputs 1 x Switched Ground Digital Output to switch lights, relays, buzzers, etc.
Ignition	1 x dedicated ignition Digital Input 0-48V DC, 5V on/off threshold

WARRANTY

One year manufacturer's warranty.



FEATURES



Locate vehicles and assets – whether you want to track a single asset or an entire fleet



See all routes and rides on the map, and a detailed timeline of everywhere the object you are tracking has been



Geofence, create or download individual virtual zones, which can trigger an alert when the object you are tracking approaches its destination, or is close to custom zones



Track temperature/humidity and driver behaviour for produce and animals when being transported



Roll over alert if one of your vehicles quads or bikes has rolled over accelerating help and medical assistance

Kingfisher Tracking Platform



OVERVIEW

By tracking and collating the data your assets generate, you can run operations more efficiently and improve the safety of your staff. The platform also allows you to control livestock location, recover lost equipment and keep products fresh and safe

