



Kingfisher Supreme



CELLULAR 4G LTE-M / NB-IOT

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



Hardwired to permanent power for real-time tracking



Run hour monitoring, accident and rollover detection, speeding, harsh braking, and more

OVERVIEW

Ultra-rugged, feature-rich vehicle, trailer, or heavy equipment tracking device with inputs/outputs, remote immobilization for fleet management, equipment monitoring, driver ID, theft recovery, and more.

APPLICATIONS

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



DATASHEET

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	1100mA LiPo internal backup battery pack

PHYSICAL SPECIFICATION

Dimensions	L 125 x W 80 x H 25 mm
Weight	170g
Housing	Ultra-Rugged Nylon Glass
IP Rating	IP67
Operating Temperature	-20°C to +60°C

COMMUNICATION

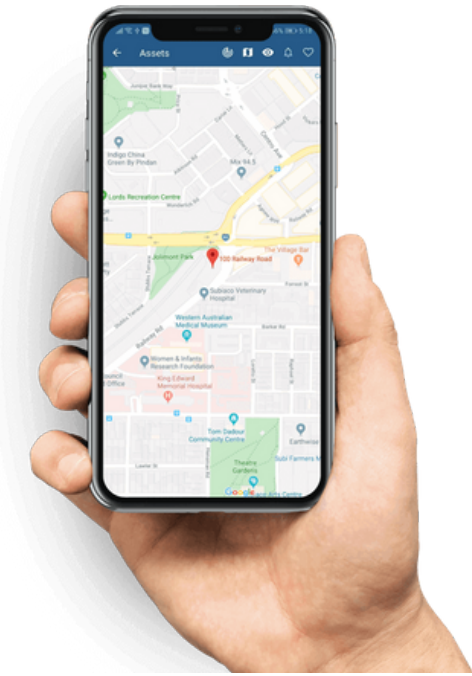
GPS	Concurrent GPS / GLONASS Internal Antenna
Cellular	Internal Antenna
Security	AES-256 Encryption from device to server
Integration	Third-Party Integration Webhook, TCP or HTTPS

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

