# TOOKƎN
## T R A C K E R

Leveraging Tracking
for Organised Fleet
Management

# POWER PACKED
# TRACKING FOR YOUR BUSINESS

Tookan Tracker works on your entire fleet first hand, tracking everything from GPS Tracking, Fuel Management, Driver Behaviour, Vehicle Management and a lot more.

## GPS TRACKING

Keep tabs on the journey that your driver takes with easy and multi-platform compatible real- time GPS Tracking- tracing every movement point to point- managing and eyeing multiple vehicles at once.

## FUEL MANAGEMENT

Regularly monitors and indicates fuel status for better fuel management- optimally suitable to prevent fuel frauds. Also equipped to calculate fuel consumption for a particular journey or a task; also consumption by individual delivery agents for clear tracking and informed decision making.

## DRIVER BEHAVIOUR

Keep track of your driver's behaviour with the vehicle: if he adhered to the speed limits, brakes usage, rash and careless driving, extra stops,

## VEHICLE MANAGEMENT

Keeps track of vehicle condition and status; watching out for when the vehicle is due for service, if the functioning is prim and proper, if any parts need fixing

## TECH ON THE MOVE

Keep complete check on your delivery and fleet management process with Tookan Tracker- timely updates, real-time status reports, alerts, historical reports & summaries and analytics- all on the move.

# OTHER APP FEATURES

Tookan Tracker is a super competitive tracking solution with cutting edge app features that place it as the most accurate and suited tracker for delivery and fleet management.
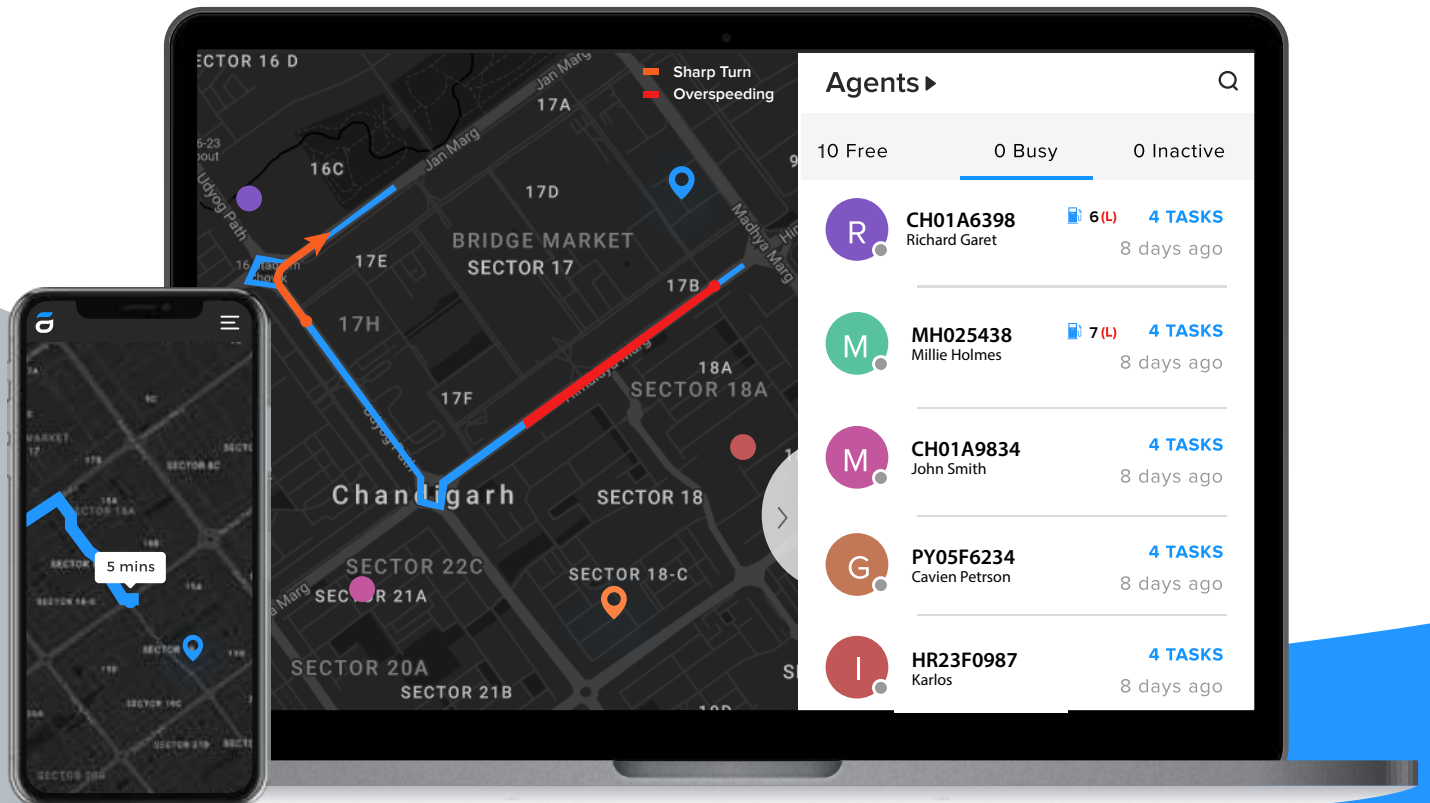
## ALERTS
Instant alerts for multiple stops, fuel levels, theft alert, over speeding alert, start of day alert, route deviation alert and excessive stoppage alert, geofence, Depending on your need there are several alerts that can be configured: Idling Alert, Stoppage Alert, Tampering Alert, Over-speeding Alert etc.

## GEOFENCING
An alert is sent out every time a vehicle enters of exits a Geofence, opening up ample opportunities for information monitoring that translates to increased operational efficiency and elevated safety and security levels.

## ENGINE CUT
For emergencies, the Tookan Tracker comes with an Engine Cut- you can cut off the engine from your phone at any time using SMS and GPRS.

**HISTORICAL ANALYTICS & REPORTS**
Fleet Managers have access to information and tracking summary or upto 90 days past with an enterprise dashboard that has a comprehensive set of graphical reports- giving overall view of all important metrics.

**2G-3G OPTIMISED**
The Tookan Tracker comes in both 2G and 3G Variants. However, if there is poor reception on the 3G Tracker, it self optimises to 2G and continues to function absolutely normally.

**SPEED LIMITER AND FATIGUE ALARM**
When the driver drives past the speed limit, the Tracker will trigger an alarm & in relay, the car will slow down automatically. Also, if the driver has been driving for longer than the continuous driving limitation, an alarm will trigger.

**UNMATCHED PERFORMANCE**
The tracker comes in a super industrial design with a high performance ARM-7 Processor, a wide working voltage range from 6V-45VDC suiting both cars and trucks, 8M-bit Offline Data Logger that can store upto 9090 way-points and multi- lingual SMS Content

# OUR VISION FOR THE FUTURE

The Tookan Tracker aims at bringing together Delivery and Fleet Management on the same podium where business owners can streamline and manage business operations

# ALL AROUND POWER

Tookan Tracker offers a multi-fold functionality with ergonomic features that are absolutely compelling and downright useful for a delivery management business that also requires fleet management.

# TTO301/201
# Tracking, Monitoring, Vehicle Diagnostics
## Technical Specification

**Available in 2G & 3G**

| Parameters | Description |
|---|---|
| Chipset | MT6260 |
| Memory | 8 MB solid state F lash, 100K Erase and Program Cycle, 10 year data retention |
| GSM Module | Quad Band G SM 850/900/1800/1900Mhz ,DCS G PRS: class12 Coding Scheme CS1 to CS4 |
| GPS Module | PS:66 acq uisition-/ 22 tracking channels, Ultra high tracking/navigation sensitivity: -165dBm1, Inbuilt patch antenna, 5 Meters Accuracy. |
| Antennae | Internal |
| Communication Interface | TCP/IP on G PRS |
| Record Storage Buffer | 10000 Tracking Records ( may vary based on configuration and paremeter chosen) |
| Ports | 1-Micro B USB connector(Debug), Standard O andK -Line |
| Speed Sensor | GPS(default) |
| SIM Interface | Supports  SIM card: 1.8V & 3V / Embedded SIM (optional) |
| G PRS Packet Data | Class 12 ; Coding Scheme CS1 to CS4 |
| LED Indication | Processing, G SM, G PS, O BD |
| Connectors | Standard O BD-II connector |
| Power Supply | Wide DC input voltage range (9V - 32V) |
| Current Consumption | 180mA during transmission ,90mA during tracking with O BD and 30mA during sleep (@12v) |
| Internal Battery | 500mAh, 4 to 6 Hr backup |
| Protocol supported | CAN(11bit/29bit),K -Line |
| Temperature | O perating: -20° C to +60° C<br>Storage: -20° C to +85° C (Without Battery) |
| Dimension | 55 X 53X 30mm |
| Weight | 85g |
| FOTA | Firmware upgrade over the air available |
| Motion Sensor | 3 Axis Accelerometer (Harsh acceleration, Harsh Braking and Cornering) |

# TTW201/301
# GPS Tracker
## Technical Specification

**Available in 2G & 3G**

| Items | Specifications |
|---|---|
| Working voltage: | +6.0 ~+45VDC/1.5A |
| Backup battery: | Rechargeable 3.7V 200mAh Li-ion battery |
| Dimension (main unit): | 54.0*51.5*28.5(mm) |
| Weight (main unit): | 73g |
| GSM frequency: | Quad-band: 850MHz/900MHz/1800MHz/1900MHz |
| GPS chipset: | U-blox7 chipset |
| GPS sensibility | -162dBm |
| GPS receiving channel | 56 channels |
| Working frequencies | 1575.42Mhz C/A（GPS） |
| Positioning accuracy | ≤10m (wide-open area) |
| Speed accuracy | ≤0.1M/S (wide-open area) |
| Positioning mode | Auto 2D/3D |
| Hot start | 1 sec., average |
| Warm start | 2 sec., average |
| Cold start | 40 sec., average |
| Working temperature: | -20 ~ 85°C |
| Humidity: | 0 ~ 95% |

# TTF101
# Fuel Sensor
## Technical Specification

**Technical parameters:**

| Data Processor | |
|---|---|
| Operating Voltage | DC9V-48V |
| Power supply ripple | Less than 100mV |
| Operating current | Less than 30mA |
| Measuring distance | 3cm to 100cm; |
| Resolution | 0.1mm |
| Measurement accuracy | 0.5% |
| Temperature compensation range | -40 C  +80 C |

| Output mode: | | |
|---|---|---|
| Analog output | Voltage output (default) | 1-5V (corresponding 0-100cm) |
| | Voltage output (default) | 4-20mA (corresponding 0-100cm) |
| Anti-theft alarm output | | Supported |
| Install method | | bottom of fuel tank/can, water tank |
| Material of tank/container | | Iron、aluminum、stainless steel |
| Thickness of material | | Within 5.5mm |
| Operating temperature | | -40 C - +80 C |
| Storage temperature | | -50 C - +100 C |

| Ultrasonic Transducer | |
|---|---|
| Operating temperature | -40 C - +80 C |
| IP grade | IP66 |
| Cable length | 8m, with shield |

# TOOKAN
## T R A C K E R

## WARRANTY & REPLACEMENT

6 Months Manufacturer's Warranty for any Defects/Faulty Device Free Replacement with Intimation within 3 days of Receiving Damaged Goods

## SUPPORT

Installation & Management Support
Training & Demo
Additional Tookan Management Platform
AMC

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