

Product Application

UTrackIT Vehicle Tracking

Installed in your vehicle, UTrackIT provides 'Always-On' tracking, Satellite Location (GPS), Speed, Distance Travelled and Journey Recording. GPS records are available in real-time and all historical information is readily available, allowing the user to 'go back in time' to review or download past information.

UTrackIT's price includes the cost of the unit, installation in a major centre, and the first year's data charges in a single purchase bundle. On the anniversary month of your initial purchase, the annual data and infrastructure will be invoiced for the year ahead.

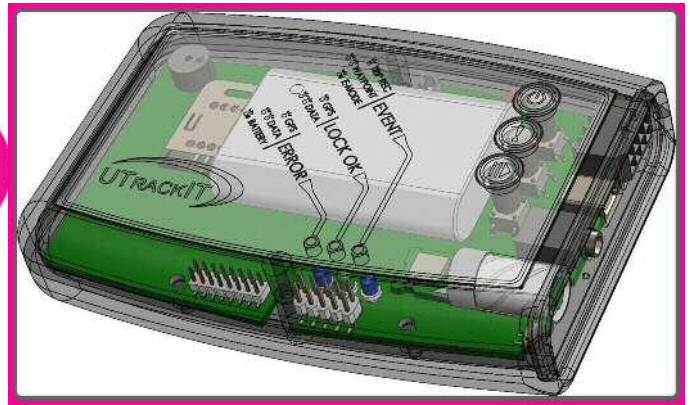
Extend the tracking capabilities to manage your fleet: UTrackIT Business Solutions include Driver ID (with or without ignition cut-out), SMS Notification on power tampering and User-arming options (reporting movement to your cell phone immediately when armed). 'Zoning' areas can be set up to report either travel into or outside of designated zones. A daily travel report for all vehicles in the fleet makes management of vehicle usage a pleasure.

UTrackIT Vehicle tracking units operate off 12V and 24V vehicle power and include an internal rechargeable battery to protect against power being cut. The ignition sensor is the only interface between the vehicle and the installed unit. Hard Braking and Speeding are routinely reported on the daily reports, with the thresholds set on the individual vehicles. The unit measures 12cm x 8cm x 2.5cm and can be discretely installed.

- Applications**
- Vehicle Tracking and Management
- Personal Vehicle Tracking
- Personnel Tracking
- Vehicle Security
- Fleet Management
- Truck Tracking



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Specifications

Physical:

Dimensions:	74.0 x 117.3 x 32.0 mm
Weight:	Less than 185g (including battery)
Enclosure Material:	GP ABS

Power:

Power Source:	3.7V 1.1Ahr Li-Ion Battery Pack
Charge Method:	9V-30V DC (rated 450mA max)
Battery Life:	8 hours (minimum) once vehicle power removed.

Logging & Reporting:

GPS Fix Interval:	Speed-Profiled (Over the Air programmable from 5 seconds to 5 minutes) 30 s below 5kmh / 12 s below 60kmh / 8 s below 132kmh / 120 s over 132kmh
GPRS Report Interval:	21 records / 15 minutes standard; Over the Air programmable from 10 seconds to 15 minutes.
Exception Logging:	Stop / Start / Heading change / Speeding - at 1 second intervals for 8 seconds before & after.
Tamper Alerts:	Loss of Power (by GPRS / SMS) GPS Antenna removed (by GPRS) Mechanical Tamper (by GPRS)
Status (when not moving):	None.
SMS Parallel-reporting:	None

Environmental:

Operating Temp:	0-60°C
Humidity:	20-80% Non Condensing
Water Resistance:	No (IP54).

GPS System:

Tracking Engine:	50 Channel
Sensitivity:	Tracking and Navigation -160dBm Signal Reacquisition -160dBm Autonomous Cold Start -147dBm
Time to first fix:	Cold Start ~70 seconds (@ -130dBm) Warm Start ~30 seconds (@ -130dBm) Hot Start ~1 second (@ -130dBm)
GPS Accuracy:	2.5m (under good signal conditions)

GSM System:

Band:	GSM 900MHz / 1800MHz
Data Interface:	GPRS Multi Slot Class 8
Receive Sensitivity:	-107dBm
Transmit Power:	900MHz 33dBm 1800MHz 30dBm

GPS Logging and Reporting:

GPS recording occurs under movement on a second-by-second basis as soon as GPS "lock" is achieved. GPS location data is logged locally based on the "GPS Fix Interval" pre-set Speed Profile. In addition to logging based on speed, "Exception Logs" occur for each stop, start, speed limit exceeded, and direction change.

Buffer Size: 1024 data points (GPS logs overwritten on FIFO basis if GPRS transmission is not possible)

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