

# CarX GPS Device

## SMALL AND SMART TRACKER WITH GPS AND INTERNAL BATTERY

CarX GPS device is a compact and smart tracker with internal High Gain GNSS, and GSM antennas and an integrated backup battery. The GPS device is designed for light vehicles tracking in applications like insurance telematics, rental cars, recovery of stolen cars, public safety services, delivery transport, taxi, and much more. Inputs/outputs extend device usage scenarios. Digital input can be used for ignition, door, or alarm button status monitoring. Vehicle remote immobilizing may be achieved using the digital output. The device is manufactured in Europe and comes with a 2-year warranty.



## SUITABLE FOR





### Bird-eye Fleet Overview

Manage your fleet with increased transparency and always available information.



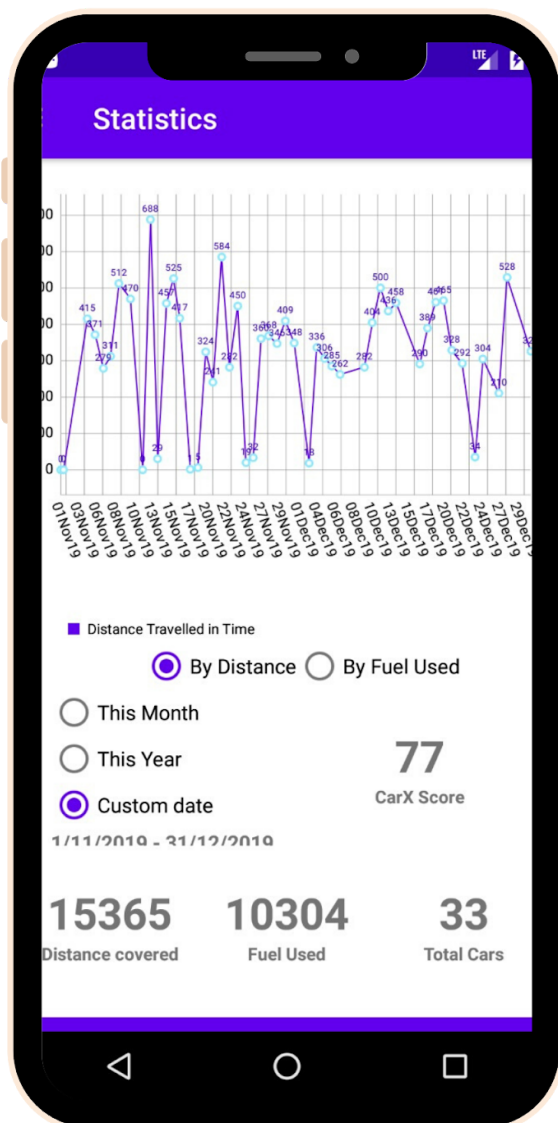
### Increase Business Revenue

Leverage technology to improve client's expectation and increase business revenue.



### Track and manage costs

Reduce day to day operational running costs and optimize your fleet movements.



## SOFTWARE FEATURES

- Real-time Location
- Speeding Information
- Historical Trip History
- Vehicle Compliance Engine
- Fuel Sensor Integration (\*extra sensor)
- API Integration
- 24/7 Customer Support

## DEVICE HARDWARE SPECIFICATIONS

<b>Module</b>	
Technology	GSM/GPRS/GNSS
<b>GNSS</b>	
GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Accuracy	< 3 m
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s
<b>Cellular</b>	
Technology	GSM
2G bands	Quad-band 850 / 900 / 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)
<b>Power</b>	
Input voltage range	6 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery (0.63 Wh)
<b>Physical specification</b>	
Dimensions	79 x 43 x 12 mm (L x W x H)
Weight	54 g

<b>Interface</b>	
Digital Inputs	1
Digital Outputs	1
Analog Inputs	1
GNSS antenna	Internal High Gain
GSM antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM
Memory	128MB internal flash memory
<b>Operating environment</b>	
Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP54
Battery charge temperature	0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +35 °C for 1 month -20 °C to +30 °C for 6 months
<b>Features</b>	
Sensors	Accelerometer
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, DOUT Control Via Call, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GPS, NITZ, NTP
Fuel monitoring	LLS (Analog), OBD-II dongle
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage
<b>Certification &amp; Approvals</b>	
Regulatory	CE/RED, E-Mark, EAC, RoHS, REACH