



VOLGEN SERVICES TRACKER

WE ARE AWAKE!

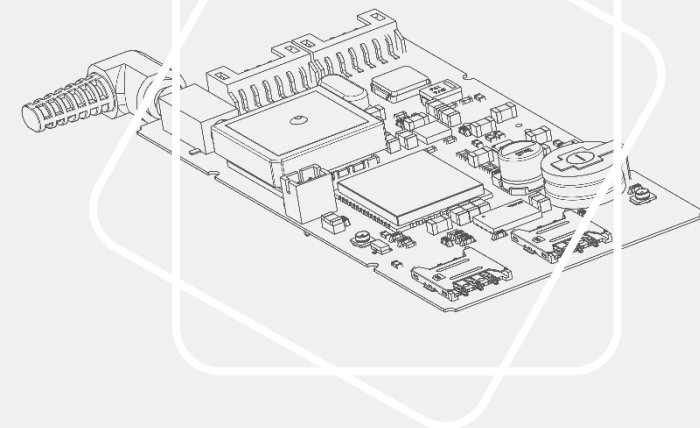


TRACKER

- **Type: Basic⁺**

Basic Tracker is a compact smart tracker with Bluetooth connectivity, internal High Gain GNSS and GSM antennas powered with an integrated 200mAh backup battery. It has been designed for light vehicles tracking applications, such as personal or rental cars, recovery of stolen cars, public safety services, delivery transportation, taxi and public transportation and much more. Input/output ports extends device usage scenarios. For example a digital input can be used for ignition, door or alarm button status monitoring.

Basic Plus Tracker has additional I/O ports, 300mAh backup battery and a 433MHz RF remote control included. It also supports dual sim card for mobile network.





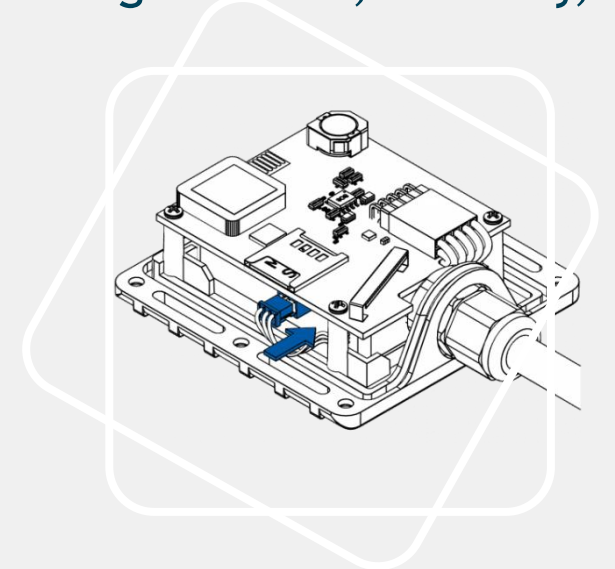
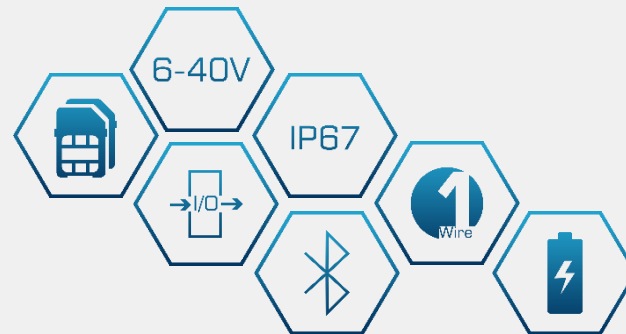
TRACKER

• **Type: Advanced⁺**

Our **Advanced** model is a special waterproof (IP67) tracker with Bluetooth connectivity, internal high gain GNSS and GSM antennas. It has an integrated high capacity backup battery, which is designed to work longer without external power supply. Advanced-Tracker with Li-Pol battery can work up to 2 days in power saving mode. This device is perfectly suitable for agriculture, delivery, refrigerated transport, trailers tracking, security and emergency services

We grantee that 6-40V power supply makes it suitable for motorbikes and water transport.

Advanced Plus Tracker includes additional I/O ports, higher capacity battery and a 433MHz RF remote control. It also supports dual nano sim card.



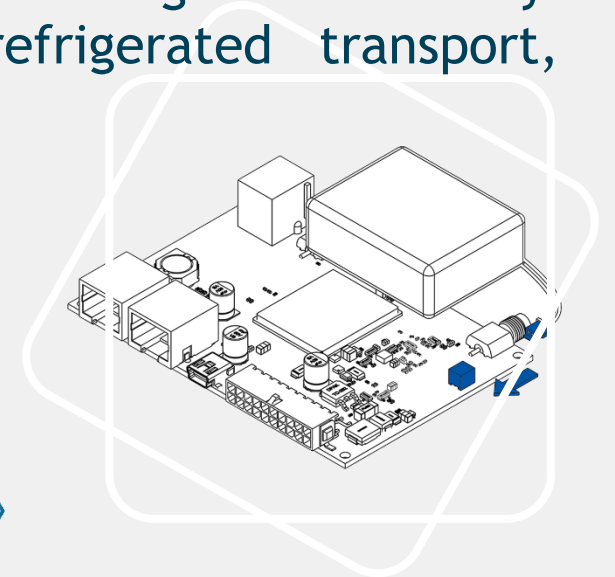


TRACKER

- **Type: Professional**

The **Pro-Tracker** is GNSS, GSM terminal for professional applications such as industrial and large transportation vehicles. Volgen pro-tracker is designed for complex solutions, where one device can do multiple tasks. We designed features like CAN data, fuel CAN data. Various third party RS232 or RS485 devices support and Dual-SIM will maximize your fleet monitoring and efficiency. Terminal is suitable for applications like international logistics, refrigerated transport, agriculture, construction and mining, security and emergency services.

This model ...





ACCESSORIES

- Temperature sensor

Wide range of accessories which are fully compatible with Volgen products enormously expands devices use cases and creates added value for your solutions. For now we provide monitoring solution for a wide use in the cold chain logistics, freezers, refrigerators and other temperature sensitive cases. Sensor is EN12830-2018 certified. Sensor uses advanced Bluetooth 4.0 BLE technology to get data from long distance, it can work from internal battery up to 7.5 years. Collected temperature information of the surrounding environment is transferred to all devices which supports up to four temperature sensors at the same time.

“According to the EU regulation from January 2006, all measuring instruments used for the purpose of monitoring the temperature, shall comply with EN 12830. Food operators shall keep all relevant documents permitting verification that the instruments referred to above conform to the relevant EN standard.”





ACCESSORIES

- Temperature sensor

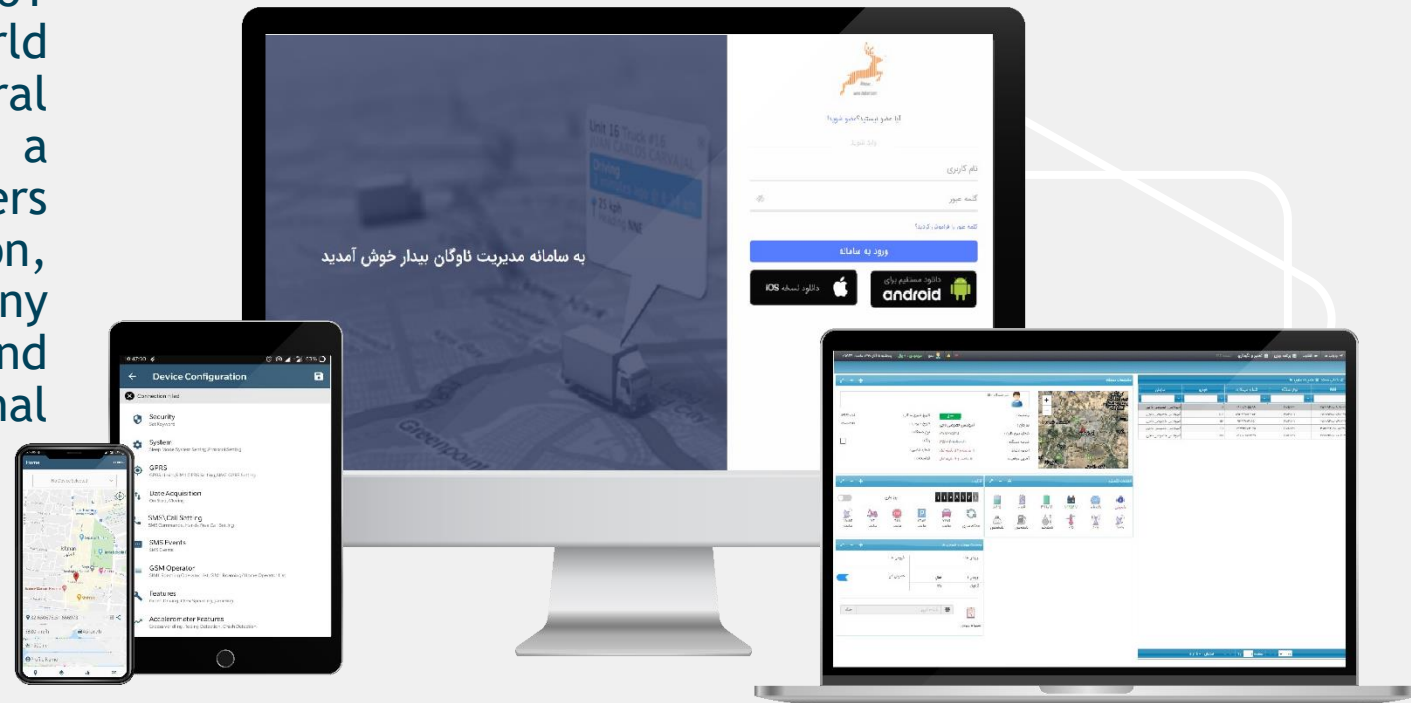
Even if you are not willing pay for Bluetooth temperature sensor or you do not own any long vehicle in your fleet, we also provide you a more simple and economic solution, wired temperature sensor called DS18B20 with one 1wire protocol as well.



Software Solutions

- Dashboard and Application

Volgen Software products line is a new and high-tech solution for intelligent GPS tracking and IoT management. Companies from all over the world choose Volgen Online Panels and General Configurator Application since it utilizes a powerful set of technologies to keep customers aware of the vehicles' whereabouts, condition, status, and geographical location. There are many compatible tracking devices with this panel and configurators all over the world, including personal trackers and automobile security controllers.





Dashboard

- Information and options

- Vehicle performance analysis
- Routing checkpoints visit
- Engine-hours and machine hours control
- Car rotation pattern
- Address searching
- Nearest units searching
- Handy management system
- Fuel consumption accounting
- Driving behavior
- Temperature control
- CAN-bus data parameters reading
- Security Control
- Doors opening detection
- Alarm Driver button
- Remote engine shutdown
- Communication with drive



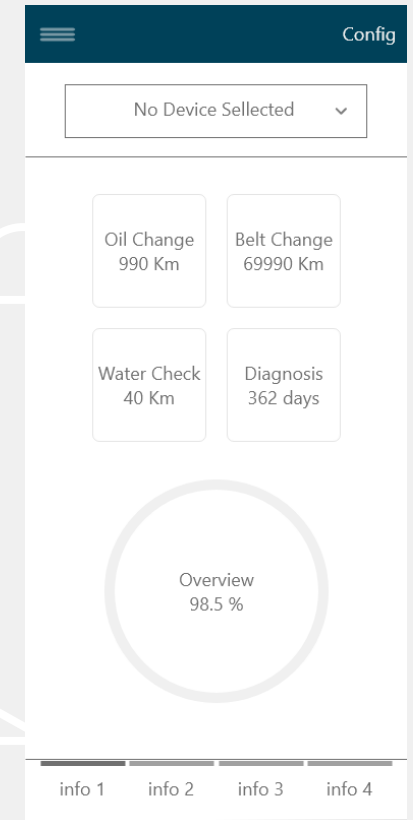
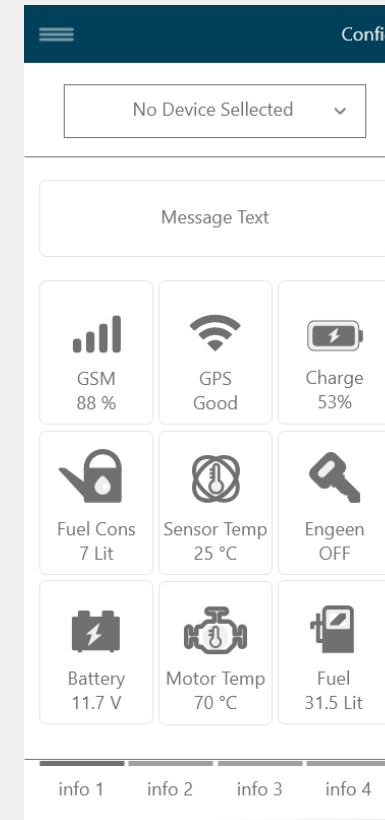


APPLICATION

- Info Display

For more device efficiency and more user comfort, apart from storing information online, the device is able to check the conditions of the car and provides green driving services to user. which is good for health of the car and passengers.

With Volgen Configurator, no tethering is needed for the hardware configuration. Also, drivers can always use perfect options and information shared from the device to their mobile application, offline.





APPLICATION

• Configurator

- Device Configurator via Bluetooth
- Vehicle Speed and Odometer Dashboard
- Car Engine and Fuel Condition
- GPS
- Off-road Clinometer
- Mapp and Directions
- Routing
- Geo fans
- Sharing and Saving Favored Locations
- Near Places Notation
- Overall and Every Trip Covered Path
- Car Repairing Notification
- Temperature Logger
- Fuel Usage
- Sim Charge
- Device Battery and Power
- Dashboard Customization
- Security Control
- Doors opening detection
- Performance Alarm
- Alarm Driver button





SUPPORT & Customization

- **Why Choose Volgen?**

We have designed and provided multiple vehicle tracker devices for a wide range of applications, from everyday personal needs to industrial and fleet transportation. We are researching and developing every day, improving our solutions according to your feedback. The most important task for us is to make our provided IoT solutions as reliable as possible.

For now there are three different tracker models with two additional extensions as well. The firmware developed is the most accurate point marker, which determines a realistic tracking path optimized with Artificial Intelligence and also supports wide range of accessories through world wide standards. The data transfer protocol to communicate with vehicle tracking portals is clear and standard too. Besides an configuring and monitoring mobile application is available for much better user experience.

We hope they support all of your needs and if not, we are ready to build it for you. In case you need a solution that is not on our list, please contact us and we will be glad to help.

VOLGEN TRACKER					
Ability	basic	basic+	advanced	advanced+	professional
Bluetooth V3.0	✓	✓	✓	✓	✓
crash detection	✓	✓	✓	✓	✓
gyroscope	✓	✓	✓	✓	✓
dual sim card	x	✓	x	✓	✓
3 sim card	x	x	x	x	✓
nano sim card	✓	✓	✓	✓	✓
internal GPS antenna	✓	✓	✓	✓	✓
internal GSM antenna	✓	✓	✓	✓	✓
external GPS antenna	x	x	x	x	✓
external GSM antenna	x	x	x	x	✓
memory	8 MB	up to 16 MB	64 MB	up to 128 MB	up to 1024 MB
record	250,000	up to 500,000	up to 2,000,000	up to 4,000,000	up to 32,000,000
battery	200 mA/h	300 mA/h	500 mA/h	500 mA/h	up to 2500 mA/h
GPRS Class 12	✓	✓	✓	✓	✓
Multi-GNSS System	✓	✓	✓	✓	✓
Digital Audio call	x	x	✓	✓	✓
microphone jack	✓	✓	✓	✓	✓
Quad-band GSM	✓	✓	✓	✓	✓
Extended Temperature Range: -40°C to +85°C	✓	✓	✓	✓	✓
input	1	2	3	4	4
output	1	2	3	4	4
analog to digital converter (ADC)	1	2	2	2	2
1 wire protocol support	✓	✓	✓	✓	✓
can bus communication protocol	x	x	x	x	✓
wide range input voltage	6V - 40V	6V - 40V	6V - 40V	6V - 40V	6V - 50V
Audio record	x	x	x	✓	✓
RS485 communication protocol	x	x	x	x	✓
SMS control	✓	✓	✓	✓	✓
free server transmission protocol	✓	✓	✓	✓	✓
Firmware Over The Air (FOTA)	✓	✓	✓	✓	✓
battery meter	✓	✓	✓	✓	✓
car battery voltage meter	✓	✓	✓	✓	✓
Ignition check (ACC)	✓	✓	✓	✓	✓
rf remote control	x	✓	✓	✓	✓





Device support 4th generation of mobile technology



RS232/RS485 serial communication interfaces



Accurate fuel level and temperature monitoring via LLS sensors



Wide external voltage range



Dual SIM - significantly reduce roaming costs



Classifies the degree of protection against solid objects and water



Classifies the degree of protection against solid objects and water



Bluetooth for external devices and Low Energy sensors



1-Wire® interface to monitor temperature data and RFID/iButton tags



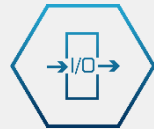
Allows device to work without external power source



Access to accelerometer for safe movement



Crash detection functionality working according accelerometer data



Digital Input/output for remote monitoring and control



CAN data reading from vehicles and specialized transport





+98 913203 3028



+98 313235 7156



Volgen.Net



info@Volgen.net



sales@Volgen.net



@Volgen



@volgen_official



@volgengps

WE ARE AWAKE!

We have designed and provided multiple vehicle tracker devices for a wide range of applications, from everyday personal needs to industrial and fleet transportation. We are researching and developing every day, improving our solutions according to your feedback. The most important task for us is to make our provided IoT solutions as reliable as possible.

