Vehicle Tracking

Detailed Technical Specifications

GSM	
Frequency	Quad band: 850/900/1800/1900 MHz
GPRS	GPRS multi-slot class 12 GPRS mobile station class B
GPS	
GPS Chipset	u-blox 6m GPS module
Sensitivity	Autonomous: -147 dBm Hot start: -160 dBm Tracking: -162 dBm
Position Accuracy	Autonomous: < 3m SBAS: 2.0m
TTFF (Open sky and AGPS)	Cold start: 25s average Warm start: < 25s Hot start: < 1s
Interfaces	
OBD Port	J1850 PWM J1850 VPW ISO 9141-2 ISO14230(KWP200) ISO15765-4(CAN) SAE J1939(CAN)
Indicator LED	GSM, GPS and OBD
USB	Mirco USB port for configurations, Upgrading and debugging
General	
Dimensions	62mm(L)*50mm(W)*23mm(H) 45mm(L)*50mm(W)*23mm(H), not include J1962 connector
Weight	About 50g
Backup Battery	Li-Polymer 3.7V 180 mAh
Power consumption	70mA(Active),10mA(Sleep),Max.<250mA
Operating Voltage	8V to 32V DC
Operating Temperature	-30°C ~ +80°C (without battery) -40°C ~ +85°C for storage (without battery)
Memory	8Mb(about 15000 records max.)
Sensor	3-axes ±2g/±4g/±8g/±16g accelerometer Vehicle battery voltage Back battery voltage Temperature sensor

Complete solution (HW and SW) for live AVL (automatic vehicle location)

Our trackers incorporate the latest technologies, including A-GPS (Assisted Global Positioning System) and AVL (Automatic Vehicle localisation). This powerful system enables off-line and on-line tracking, as well as vehicle management aimed at people who want to have comprehensive control of their vehicle fleets. Save your company money by reducing the costs and increase the safety of your drivers, vehicles and cargo.

Car Set - Vehicle Unit VTU18

It consists of GPS antenna with 50-parallel satellite tracking channels with over 1 million effective correlators, managed by microprocessor with the memory for 15,000 records, and configurable interval of records. GPS with high sensitivity enables acquiring of satellite signals in areas where there is bad or no sky view. Data from the memory can be replayed or deleted according to your individual needs. Date, time, speed, distance, azimuth, location, altitude, and number of satellites in view are being recorded as well. This flexibility underlines its different possibilities. Thanks to its small dimensions (62 x 50 x 23 mm) and low weight it can be easily and secretly installed into almost any vehicle. It is resistant to humidity, low and high temperatures, and vehicle vibrations.

Control Center Equipment

Our user-friendly map software Map Explorer covers Europe up to the street level in most cities and towns. This enables vehicle data processing and their evaluation. Other important functions are replaying of the journeys, overview of the static data, settings of the car unit, and preparation of data for Electronic log book which is made of stored data (date, time, location, etc.). Software enables data export to e.g. Excel or other softwares for evidence and processing of all data connected with vehicle operations, e.g. SPZ 2007 made by Milk Computers. Whole system works automatically and does not give the driver an opportunity to intervene to stored data and therefore the result is accurate, and undistorted.
Software runs on PCs with OS Windows 2000/XP/Vista and Windows 7/8/10.

MAP FACTOR

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