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# EV-7001

## VEHICLE TRACKER

E-Vision EV-7001 is an easy plug and play GPS vehicle tracker with GNSS, 3G, NRF Connectivity and RFID Reader.

EV-7001 is perfectly suitable for waste management solutions, and high personal transportation solutions.

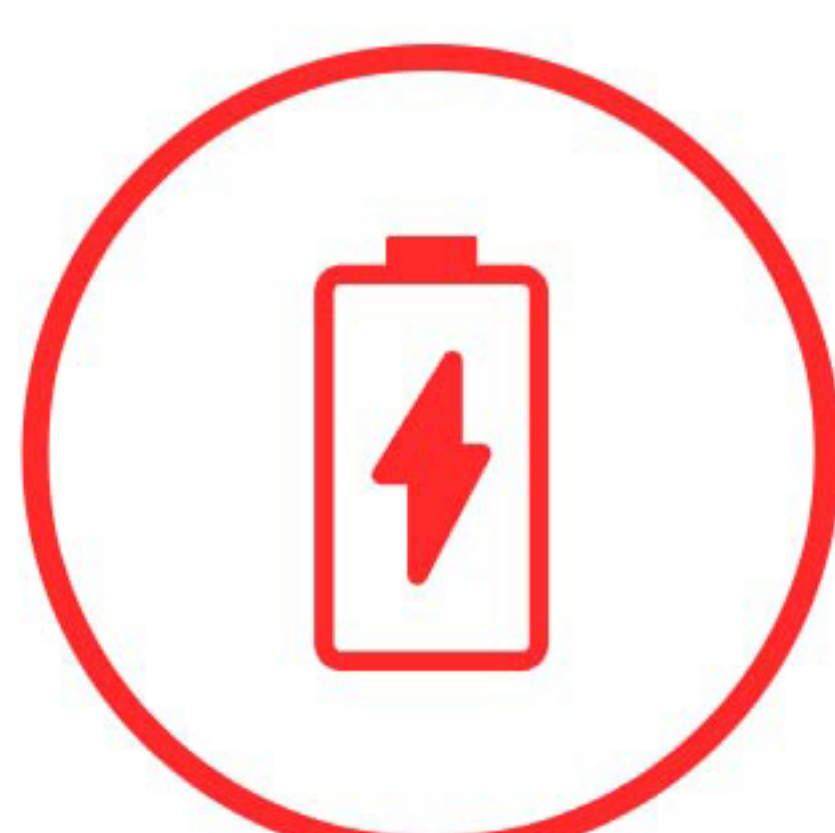
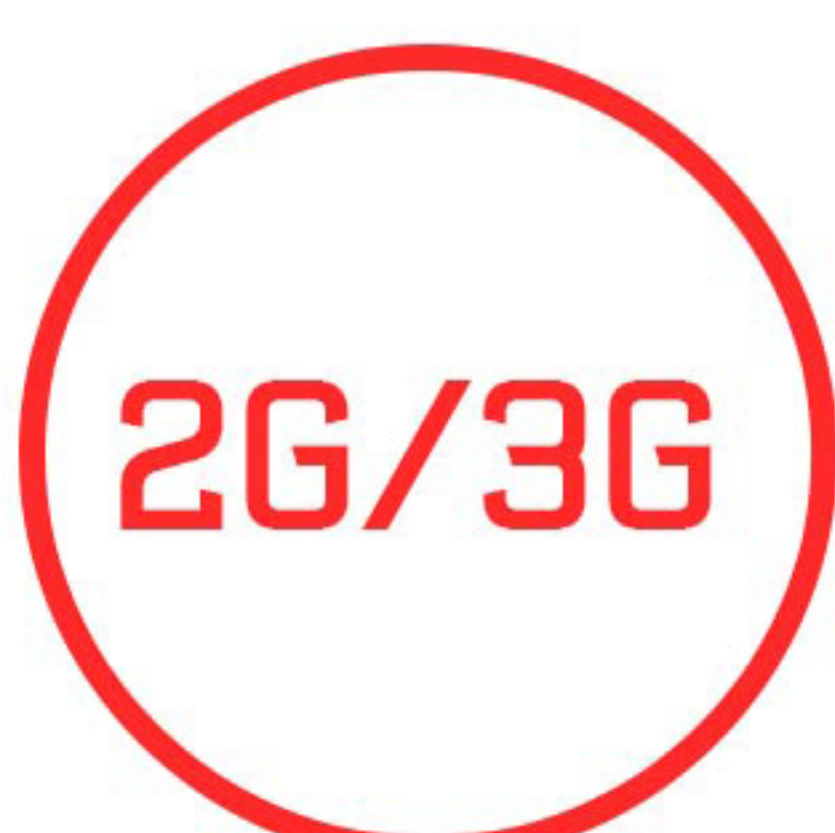
EV-7001 device designed for heavy duty and difficult environment conditions.

EV-7001 device designed for full compatibility with over the air configuration as well as firmware updates.

EV-7001 employs with leading alert system with flexible programming rules to apply. This advanced engine monitors all conditions and supports user defined exception-based rules to help meet the needs of your application.

EV-7001 continuously monitors the vehicle status and responds instantaneously to pre-defined threshold related to time, date, motion, location, geo-zone, speed and other event combinations.

EV-7001 Immediate report RFID reads to the central server once detected.



## Features

- Rugged Water / Dust proof
- RFID Reader
- 2G/3G
- LTE Version (Optional)
- Online firmware updates
- Intelligent Power Management
- Geo-Fence Management
- GPS and GPRS indicator
- Wireless interface to support OBDII
- Remote Vehicle Turn-off
- Online \ Offline location
- SD for history storage

## Specifications

### General

Communication Modes	HSPA+, HSDPA, HSUPA, WCDMA, EDGE and GPRS networks and TCP/UDP/SMS
Location Technology	16 GPS active channels and 14 GLONASS active channels
Operating Voltage	12 & 24-volt vehicle systems

### GPS

Location Technology	16 GPS active channels and 14 GLONASS active channels SBAS (WAAS, EGNOS and MSAS)
Accuracy	SBAS <2.5m CEP-50
Tracking Sensitivity	-161dBm

### Cellular

Modem	Quectel UC20
Data Support	SMS, TCP, UDP
GSM/GPRS	850/900/1800/1900MHz
UMTS WCDMA FDD	900/2100MHz
HSPA Data Rate	14.4Mbps (DL) 5.76Mbps (UL)
WCDMA Data Rate	384kbps (DL) 384kbps (UL)
SIM Card	1.8/3 V

### UHF RFID

Operating Frequency	860 ~ 960MHz
Supported Standards	ISO18000-6C (EPC C1G2) ISO18000-6B
Output Power	0 ~ 30 dBm
Effective distance	9 m
Sensitivity	-85 dBm

### Interfaces

Digital Inputs	5 Wires
Digital Outputs	5 Wires
Analog Inputs	4 Wires
Serial Interface	4 external 3V outputs
Indicators	Micro SD-Card Saves location history
SD card	Water proof USB
USB	SMA
GPS Antenna	SMA
GSM Antenna	SMA
OBDII Wireless Link	Internal SIM House
SIM Card	TNC
Power Switch	Internal On/Off Switch

### Electrical

Operating Voltage	8-30V DC operational for 12V & 24V 18mA 12V (Sleep)
Power Consumption	90mA 12V (Power Save) 130mA 12V (Active Tracking)
Backup Battery	LI-PO 1300mAh

### Environmental

Operating Temperature	-10 ~ +50°C
Humidity	95%RH @ 50°C non--condensing
EMC/EMI	SAE J1113; FCC-Part 15B
RoHS	Compliant
Ingress Protection	IP68

### Physical

Dimensions	52(L) x 57(W) x 28(H)mm
Weight	80g (Without Battery)

### OBDII Wireless Link

Operating Frequency	2.4 - 2.5 GHz ISM band
Modulation	GFSK
Maximum Output Power	0 dBm
Channel Bandwidth	2 MHz
Sensitivity	-85 dBm

## Applications



### Waste Collection

EV-7001 supported with built-in RFID reader, is perfectly suitable for waste collection services, by attaching RFID tags to the trash bin, and equipping the waste collector with the device, indicating the loaded bins along the way.



### Safe Students Transport

Employing GPS and RFID technologies is a perfect mix to indicate the on-board students based on RFID bracelets Tags. With predefined configuration to generate alerts if there is student on board and bus engine off.



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## About E-Vision

E-Vision is a fast-growing IT development house, where we design and develop professional Business Solutions which are presented to our customers with the most easy and friendly to use interface. e-Vision doesn't only stop at developing concrete business solutions; it also offers its clients the luxury of getting uniquely attractive designed IT solutions to help each company interpret who they really are among their peers through the internet.

Simplifying professional Business Solutions to our partners has allowed us to increase our activities with improved quality over a very short time. e-Vision specializes in offering ICT business solutions and services in a wide range of areas, catering for a multitude of industries. With years' experience in management consulting, IT, Development & training we are proud to have worked with several of the largest organizations in the region, providing high quality services and optimal satisfaction.

