

GPS AVL e-68T/e-68S GSM +GPRS



1. Introduction

e-68T/e-68S SMS/GPRS GPS AVL is a positioning device which built-in GPS and GSM modules, and applies to **fleet management** and **vehicle security**.

Build in Back up battery

Alert/SMS Alarm system

Geo Fences

Automatic Output Activation (able to stop/immobilize the vehicle)

Input with

- SOS panic button
- 2Mbytes memory build in
- Temperature sensor

- Door Sensor
- Bar Code Reader
- Magnetic card Reader
- Finger Print Reader

2. Specifications

General Specifications	GPS Module Specifications
Dimension: 127mm x 81mm x 31mm	Model No.: SiRF Star III
Weight: 205g	Protocol Support: NMEA-0183, SiRF Binary, AI3/F
Main Power Input voltage Range: DC 9V~36V	Datum: WGS-84(default), selectable for other Datum
Power Consumption: Standby- 900mW@DC 12V/888mW@DC 24V	Accuracy: <10meters at 2D RMS (Autonomous)
With GPS & GPRS on: 2.28W (190mA@DC 12V)	Receiver: 20 Channels
: 2.16W (90mA@DC24V)	Maximum Update Rate: 1Hz
Maximum Input Voltage for 4 Inputs: DC 36V	GSM Module Specifications
Open Collector Output Capacity: Max. Current- 250mA	Model No.: SIM300
Max. Voltage- DC 60V	Frequency bands: SIM300 Tri-band- EGSM 900, DCS 1800, & PCS 1900.
Temperature: Operation- -20°C to +55°C	The band can be set by AT COMMAND, and default band is EGSM 900 and DCS 1800.
Storage- -40°C to +80°C	Transmit power: Class 4 (2W) at EGSM900
Built-in Memory: 2MB Flash Memory	Class 1 (1W) at DCS1800 and PCS 1900
Input Ports: 4 x Input pins	GPRS connectivity: GPRS multi-slot class 10
Input1, Input2, ACC (positive triggered); SOS (negative triggered)	GPRS mobile station class B
Output Ports: 3 x Output pins	
Serial Ports: 1 x RS-232, 1 x PS-2	

3. Features

1. GSM/SMS/GPRS communication, supports 850/900/1800/1900 MHz
2. High performance SiRF star III GPS receiver built-in
3. Interface setup: Get/Set parameter via USB/SMS/GPRS
4. Log/tracking when ACC on
5. Log/tracking every particular time (set from 5~9999sec.)
6. Log/tracking when ACC off
7. SMS/GPRS real-time tracking

8. Emergency tracking
9. Built-in with 2MB flash memory data logger (32,000 times)
10. User password management
11. Backup battery
12. Notify Control Center & SMS to 3 specific cell-phones: Panic Input port triggered (e-68T standard)
13. Alarm when: Over speed (e-68S standard)
14. Alarm when: Towing/abnormal moving (e-68S standard)
15. Alarm when: Vehicle gets inside/outside of Geo-zones (e-68S standard)
16. Transmitter (e-68S optional)
17. Alarm when: Ultrasonic sensor triggered (e-68S optional)

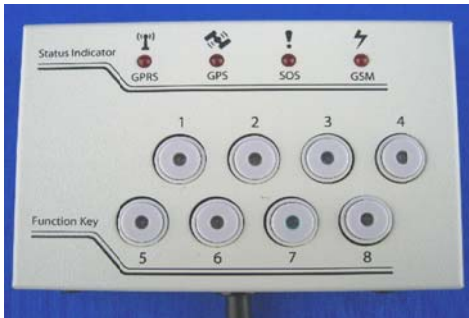
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e-68T & GSM Antenna



e-68S & GSM Antenna

e-68T / e-68S Power cable (Standard)



Status Panel with 8 key message box e-68T / e-68S (Optional)



e-68S Transmitter Remote Control (Optional)