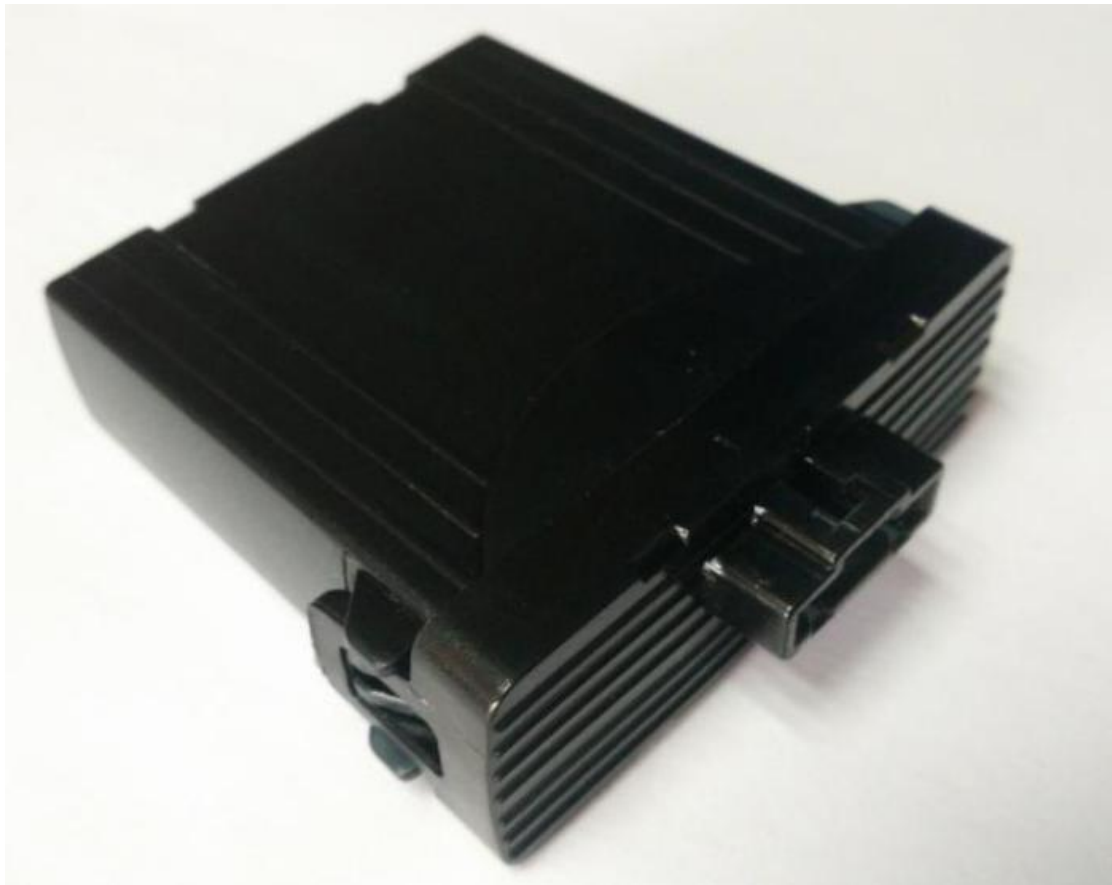


简易型车载定位终端

Simple vehicle positioning terminal

产品型号 Part Number: SKG1002

产品实物示意图 Product physical diagram



一. 产品配置清单 Product configuration list

标配清单 List

序号 No.	名称 Name	数量 Qty	单位 Unit	备注 Remark
1	SKG1002 主机 Host	1	台	
2	保修卡 Warranty Card	1	张	
3	合格证 Certificate of conformity	1	张	
4	包装盒 Packing box	1	个	
5	魔术贴 Velcro	1	张	
6	6pin 电源线 Power cable	1	条	带保险 With insurance
7	扎带 Tie	2	条	

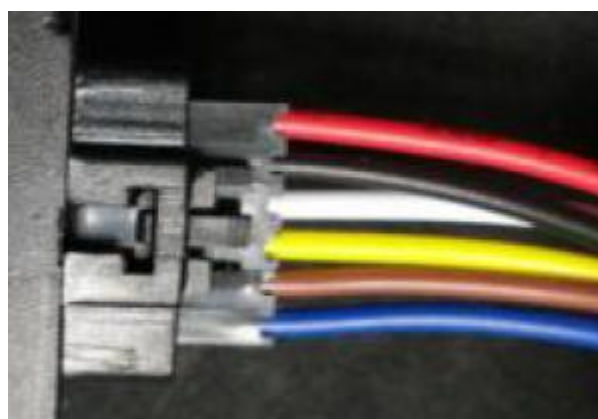
注明：以上为整套产品的标准配置清单，以上范围之外的配件均需额外支付费用

Note: The above is the standard configuration list of the whole product, and the accessories outside the above range need to pay extra

选配清单: Optional list:

序号 No.	名称 Name	数量 Qty	单位 Unit	备注 Remark
1	继电器 Relay	1	个	可用于输出控制 Can be used for output control
2	SOS 按钮 Button	1	个	用户低触发检测汇报 User low trigger detection report
3	蜂鸣器 buzzer	1	个	可选配用作超速报警蜂鸣提示 Optional to be used as an overspeed alarm buzzer

二、接口定义 Interface Definition



线序	线色	定义
1	红色 Red	电源正 Power positive
2	黑色 Black	电源地 GND
3	白色 White	ACC 检测线 ACC control line
4	黄色 Yellow	输出控制线 Output control line
5	棕色 Brown	高检测 High Detection
6	蓝色 Blue	低检测 Low detection

三. 整机参数表 machine parameters

序号 Number	项 Item	规格参数 Specification	备注 Remark
1	工作电压 working voltage	DC9-55V	
2	工作电流 Working current	25mA@12V/省电模式下 10-15mA@12V 25mA@12V/10-15mA@12V in power saving mode	静止时可以设置省电 Power saving can be set when stationary
3	规格尺寸 Size	86*60*25mm	
4	定位方式 Positioning Method	基站定位+GPS 定位 LBS+GPS	
5	定位误差 Positioning error	定位误差<10m(CEP95) 基站定位误差根据所在区间基站密度 Positioning error <10m (CEP95) The base station positioning error is based on the base station density in the interval	
6	通讯网络 Network	GPRS/WCDMA/4G LTE CAT1	
7	通讯方式 Protocol	TCP	
8	工作温度 Working temperature	-25 ° C - 65 ° C	
9	存储温度 Storage temperature	-40 ° C - 85 ° C	
10	净重 Net weight	100g	
11	工作时间 working time	0.5h, 静止状态下 0.5h, in a static state	3.7V/160mAh

四. 产品整机功能表

功能项 Functions	功能说明 Description
跟踪定位 Tracking	默认组合条件汇报, 组合条件如下: 运动 10s 上报一条当前位置信息, 静止 120s 上报, 拐弯角度超过 30 度汇报当前位置信息。

	The default combination condition report, the combination conditions are as follows: a piece of current position information is reported when moving for 10s, reporting for 120s at rest, and reporting current position information when a turning angle exceeds 30 degrees
点火/熄火汇报 Ignition / flameout report	点火及熄火事件汇报, 当发生点火或熄火事件立即上报 Ignition and flameout incident report, when ignition or flameout incident occurs, report immediately
主电掉电报警 Main power failure alarm	检测到主电源线断开后, 上报当前位置信息及报警信息 After detecting that the main power cord is disconnected, report the current location information and alarm information
低电压报警 Low voltage alarm	检测到主电源电压偏低 (12V 下限为 10.5V, 24V 下限为 21V), 会上报当前位置及报警信息. If the main power supply voltage is low (12V lower limit is 10.5V, 24V lower limit is 21V), the current position and alarm information will be reported.
超速报警 Speeding alarm	平台设置最大限速值, 当 GPS 速度大于设定的值, 则上报超速报警提醒。 The platform sets the maximum speed limit value. When the GPS speed is greater than the set value, an overspeed alarm will be reported.
油路控制 Oil circuit control	支持平台和短信发送断油及恢复油路操作 Support platform and SMS to send oil cut and restore oil circuit operation
电子围栏 electric fence	支持进出围栏报警 Support in and out fence alarm
拖车报警 Trailer alarm	支持 acc 关, 车辆移动超过设定范围报警 Support acc off, alarm when the vehicle moves beyond the set range
盲区补传 Blind spot make-up pass	支持本地存储最后 1000 条位置记录 Support local storage of the last 1000 location records
双重定位 Dual positioning	汇报位置信息包括基站及 GPS 定位信息 Report location information including base station and GPS positioning information
远程升级 Remote upgrade	支持远程 OTA 终端软件 Support remote OTA terminal software
智能省电 Smart power saving	支持静止模式下关闭 GPS 模块部分休眠省电。 Support partial dormancy and power saving by turning off GPS module in static mode.
空中配置 Air configuration	支持平台及短信对参数的设备和查询 Support platform and SMS to parameter equipment and query
AC 检测 AC detection	通过高触发可采集汽车 AC 空调开关或其他高触发状态量 High trigger can collect car AC air conditioner switch or other high trigger state quantity
SOS 触发	通过低触发可以采集汽车门磁或 SOS 按钮状态

SOS trigger	Low trigger can collect car door sensor or SOS button status
蜂鸣提示 Buzzer	可选配用于超速报警时，本地提示（和断油电功能不能同时使用） Optional for overspeed alarm, local prompt (cannot be used at the same time as the fuel and electricity function)

五. 产品安装操作流程 Product installation process

1 检查产品

查看设备外观是否良好，相关配件是否齐全

1 Check the product

Check whether the appearance of the equipment is good and whether the relevant accessories are complete

2 安装 SIM 卡

打开设备将 SIM 卡放入卡座。请避免用力过度损坏卡座，且不要在设备通电的状态进行插拔 SIM 卡的操作，请确保 SIM 卡具备上网功能。

2 Install the SIM card

Turn on the device and place the SIM card in the card holder. Please avoid damaging the card holder with excessive force, and do not insert or remove the SIM card when the device is powered on. Make sure that the SIM card has Internet access.

3 选择终端安装位置

防水：应选择不易进水的位置确保保持终端的干燥，要注意远离空调出风口以防在温差变化时，有冷凝水积聚在终端内部严重影响产品的使用寿命。

防震：终端不能悬空安装在长期振动较大位置。

防干扰：终端应远离车内影音和对讲等电子设备，防止传导干扰和辐射干扰。

3 Select the terminal installation location

Waterproof: Choose a location that is not easy to enter water to ensure that the terminal is dry, and pay attention to stay away from the air outlet of the air conditioner to prevent condensation water from accumulating in the terminal when the temperature difference changes, which will seriously affect the service life of the product.

Anti-vibration: The terminal cannot be installed in the air in a location with long-term vibration.

Anti-interference: The terminal should be far away from electronic equipment such as audio-visual and intercom in the car to prevent conduction interference and radiation interference.

4 观察指示灯确认设备工作常

4 Observe the indicator light to confirm that the equipment is working

红灯通讯 Red means device is working normally	常灭: 休眠或灯损坏 LED keeping off: dormant or light damage
	常亮: 表示 GPRS 没有信号或注册不上网络 LED Keeping on: GPRS has no signal or cannot register on the network
	快闪 (2 次/秒): GPRS 有信号, 但没有上线 Fast flashing (2 times/sec): GPRS has signal, but not online
	慢闪 (1 次/5 秒): 终端正常上线 Slow flashing (1 time/5 seconds): The terminal goes online normally
GPS 绿灯 Green means GPS is on	常灭: 定位模块损坏或进入休眠模式 LED keeping off: The positioning module is damaged or enters sleep mode
	常亮: gps 模块故障工作异常 LED keeping on: gps module malfunctions abnormally
	快闪 (1 次/秒): 终端搜索到卫星信号, 但未有效定位 Fast flashing (1 time/second): The terminal has searched for satellite signals, but has not been effectively positioned
	慢闪 (1 次/5 秒): gps 有效定位 Slow flashing (1 time/5 seconds): GPS effective positioning

六. 注意事项

1 电子类产品请注意防水

2 当环境温度超过终端正常工作温度范围时, 建议断电

3 当车辆处于地下停车场、隧道或车库时, 将会影响定位信号, 并可能出现通讯网络信号盲区导致设备无法监控; 当车辆驶出以上区域后, 设备将自动恢复正常工作。

八. Matters needing attention

1 Please pay attention to waterproof electronic products

2 When the ambient temperature exceeds the normal operating temperature range of the terminal, it is recommended to power off

3 When the vehicle is in an underground parking lot, tunnel or garage, it will affect the positioning signal, and there may be a blind area of the communication network signal that the device cannot monitor; when the vehicle leaves the above area, the device will automatically resume normal operation.