

LW2G-5C/5CL

5 Wire GNSS Smart GPS Tracker (Optional Light Sensor)



线束定义 Wiring Harness Definitions

5PIN	4PIN (yellow)	3PIN (orange)	2PIN (black)	1PIN (red)
SOS/DIN2	Relay	ACC/DIN1	GND	VCC

产品简介 Product Introduction

名称 Product Name	LW2G-5C/5CL
尺寸 Dimensions	79(L)*32.6(W)*11.8(T)mm
重量 Weight	33g
定位方式 Positioning Methods	GPS/BDS/GLONASS/LBS

产品功能 Product Introduction

位置数据上报 Positioning Information Upload	按照设置的间隔时间回传经纬度等定位信息 Upload the positioning information such as longitude and latitude according to the interval setting.
点火熄火状态 On/Off State	每次上传的数据包中均包含有 ACC 开关状态 Each uploaded data packet contains ignition status.
掉电提醒 External Power Cut-off Alarm	当终端检测到外接电源断开，上报掉电提醒（开启后备电池） When the GPS tracker detects that the external voltage is too low, the low voltage alarm will be reported.
远程断油电 Remote Oil/Circuit Cut-off	远程下发指令断油电、通油电（需配置继电器） Remotely send commands to switch on/off oil/circuit (relay needed)
低压报警 Low Power Alarm/Battery Low Alarm	外接电源低于 9V，上报低压报警 When the GPS tracker detects that the external voltage is no less than 9V, the low power alarm will be reported.
SIM 卡自动识别 SIM Card Automatic Identification	自动识别 SIM 卡信息上传 Automatically identify SIM card and upload it information
盲区补传	信号盲区时存储定位数据，信号良好时补传，支持最大 600 条数据

Message Buffer	Positioning data will be stored in buffer when in network blind spots, and upload the data later when the tracker connects to network. Buffer Memory: 600
拐点补传 Supplementary Upload at the Corner	检测车辆转弯状态，补传拐点数据，完善转弯轨迹 Upload extra data at the corner, refine turning trajectory
里程统计 Mileage statistics	统计行驶里程 calculates the total mileage
干扰器算法 Jammer algorithm	智能识别周围干扰环境 Smart identification of surrounding interference environment
低功耗 Power-saving Mode	静止时切换低功耗模式，智能省电 Switch to standby mode when the vehicle is stationary.
OTA	支持远程 OTA 升级 OTA Supported
协议定制 Protocol Customized	可支持多种协议 Multiple-protocol Customized Supported
光感报警 Light sensor alarm	光感拆除报警（LW2G-4CL） When the device detects that the external light changes from bright to dark, it triggers a light-sensing alarm

电源供应 Power Supply

外接电源 External Power Supply	9-90 VDC
内置备用电池 Built-in Backup Battery	50mAh 锂离子电池 50mAh Li-ion Battery

通讯制式 Technology

通讯制式	GSM
Technology	
频段	850MHz/900MHz/1800MHz/1900MHz
Quad Band	
GSM 天线	内置 GSM 天线
GSM Antenna	Built-in GSM Antenna
GPRS 规格	Class12
GPRS Specification	
数据通路	短信、平台
Data Path	SMS, Platforms

卫星定位 Satellites Positioning

GNSS	GPS, Beidou
定位精度	2m CEP （室外空旷条件下）
Positioning Accuracy	2m CEP (open sky)
GNSS 天线	25mm*25mm*4mm 陶瓷天线
GNSS Antenna	25mm*25mm*4mm ceramic antenna
捕获灵敏度	-147dBm
Capture Sensitivity	
热启动	
Warm Start	-156dBm
重新捕获灵敏度	
Recapture Sensitivity	-160dBm
跟踪灵敏度	
Tracking Sensitivity	-162dBm
定位时间（室外开阔条件下）	冷启动：平均 27S 热启动：平均 1S
Positioning Time	
(open sky)	Cold Start: 27s Warm Start: 1s

工作环境 Operating Environment

工作温度	-25℃ 到 75℃
Operating	-25℃ to 75℃
Temperature	
储存温度	-40℃ 到 85℃
Storage Temperature	-40℃ to 85℃

防护等级	IP54
Protection Degree	IP54
工作湿度	5%到 95%
Operating Humidity	5% to 95%
电池工作温度	-20℃ 到 60℃
Battery Operating Temperature	-20℃ to 60℃
电池储存温度	-20℃ 到 45℃ 存储 1 个月
Battery Storage Temperature	-20℃ 到 35℃ 存储 6 个月
	-20℃ to 45℃ 1-month storage
	-20℃ to 35℃ 6-month storage

硬件配置 Hardware Configuration

LED 指示灯	GSM、GNSS 指示灯
LED Indicators	GSM, GNSS Indicators
Micro USB	升级及调试 Firmware Upgrade and Tuning
SIM 卡槽	Micro-SIM/E-SIM
SIM Card Slot	
重力传感器	三轴加速度传感器
Gravity Sensor	Three Axis Acceleration Sensor
VCC	1
GND	1
DIN	1
DO	1
DIN2	1
Light sensor	1 (LW2G-5CL)

指示灯定义 LED Indicators Definitions

红色（电源） Red（Power Supply）	常亮：设备已通电 Always on: Charging 不亮：未通电/休眠 No light on: Not charging/sleeping
Orange（GSM）	快闪：GSM 初始化中 Fast Flashing: GSM is initializing 慢闪：GSM 接收信号正常

Blue (GPS)	Slow Flashing: GSM signal is normal
	常亮: GPRS 上线
	Always on: GPRS working
	不亮: 未收到 GSM 信号/未插 SIM 卡
	No light on: No GSM Signal/SIM Card
	快闪: GPS 信号搜索中
	Fast Flashing: Searching for GPS signal
	常亮: GPS 已定位
	Always on: Position captured
	不亮: GPS 休眠/GPS 未工作
	No Flashing: GPS sleep / GPS not working

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.