

F205 规格书/Datasheet

定位终端/Position Terminal

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1. 产品基本介绍/Product Introduction

1.1 产品简介/Product Introduction

F205 是针对物流货运精心打造的一款车载定位终端，融合了 GSM+LTE 无线通信技术，终端采用工业级高集成度全内置天线设计。轻薄设计，易安装隐藏，防侦测。搭配全球定位服务平台，实现车辆数据追踪定位功能。

F205 is a vehicle positioning terminal designed for logistics and freight transportation. It integrates GSM+LTE wireless communication technology and adopts industrial high integration and full built-in antenna design. Light and light design, easy to install and hide, detection proof. With global positioning service platform to achieve vehicle data tracking positioning function.



图 1 F205 产品图片/Figure 1 F205 Product picture

1.2 应用领域/Applications

保险行业、企业车队行业、汽车厂商/4S 店、个人用户、电动新能源领域、客运车辆，出租汽车、租赁车辆等。

Insurance industry, enterprise fleet industry, automobile manufacturers /4S shops, individual users, electric new energy field, passenger vehicles, taxis, rental vehicles, etc.

1.3 产品使用介绍/Operation

1.3.1 SIM 卡安装方式(内置卡，无需用户自己安装)/SIM card installation method (built-in card, users do not need to install)

设备使用的是内置 Micro SIM 卡。卡槽为掀盖式卡槽，按照卡槽形状放入 SIM 卡，注意卡缺口对应卡槽，装好卡后，锁紧卡槽。

The device uses a built-in Micro SIM card. The card slot is a hatchback card slot. Put the SIM card into the card slot according to the shape of the card slot. Note that the card gap corresponds to the card slot.

1.3.2 指示灯说明/Indicator description

蓝色灯-电源指示灯/Blue light - Power indicator

蓝色灯状态/Blue light status	含义/Meaning
闪亮/Blink	工作中/Working
不亮/Go Off	关机/Power Off

1.3.3 工作逻辑/Work logic

设备安装好，拨动开关，设备进入工作状态。

The equipment is installed, flip the switch, the equipment into the working state.

工作逻辑：设备默认每 20 分钟开机一次上传数据，充电开机。

Working logic: By default, the device is powered on every 20 minutes to upload data and power on after charging.

2. 功能特点/ Functional Characteristics

◆ 终端采用工业级高稳定性 GPRS 模块，内置 GSM 高灵敏度天线，支持 TCP/IP 数据传输，支持域名/IP 地址连接服务器；

The terminal adopts industrial grade GPRS module with high stability and built-in GSM antenna with high sensitivity. It supports TCP/IP data transmission and domain name /IP address connection to the server

◆ 内置大容量存储芯片，支持离线状态下数据存储，盲区数据的补传；当车辆在无线信号弱或者干扰严重的地方，车机会把车辆运行的数据暂时存储在 FLASH 内，当无线信号恢复正常之后，能补传这些数据，实现数据不遗漏；

The module has a Built-in large capacity memory chip, support offline data storage and blind area data supplement; When the vehicle is in the wireless signal weak or serious interference place, the vehicle will temporarily store the vehicle operation data in FLASH, when the wireless signal back to normal, can supplement the transmission of these data, to achieve data omission;

◆ 防侦测，静默状态下，设备无线电处于关闭状态，不会发射数据，从而不被捕捉。

In the silent state, the radio of the device is turned off, and the data will not be captured, thus preventing detection.

◆ 多基站协同定位，定位范围更精准。

Multiple base stations coordinate positioning, positioning range is more accurate

◆ 超长待机，循环充电，使用更耐久。

Super long standby, cycle charging, use more durable

3. 产品参数/Product Parameter

3.1 硬件规格参数/Hardware parameters

项目/Project	功能名称/Function	有 /YES	无/NO	功能描述/ Functional Description	
电气特性 /Electrical specification	供电方式/ Power supply mode	●		电瓶供电/Battery power supply	
	工作电压范围/operating voltage range	●		DC 3.4V - 4.5V	
	工作电流/ Working current	●		4V/10MA	
	休眠电流/Sleep current	●		4V/5uA	
	内置电池容量/Built-in battery capacity	●		2400mAh (3.7V 聚合物锂电池)/ 2400mAh (3.7V lithium polymer battery)	
环境特性 environmental characteristics	工作温度范围/ operating temperature range	●		-20℃ - 75℃	
	储存温度范围/storage temperature range	●		-30℃ - 80℃	
	工作湿度范围/Operating humidity range	●		10%-85% RH 不凝结/ 10%-85% RH does not condense	
通信特性 /Communicati on features	通信模组品牌/芯片型号	●		SIMCOM 7670C	
	通信频段 /Communication frequency	●		LTE/4	LTE-FDD:B1/B3/B5/B8
				G	LTE-TDD:B34/B38/B39/B40/B41
				GSM/2	900/1800 MHz
				G	
SIM 卡/SIM card	●		Micro SIM 卡		
通信天线	●		内置天线/Internal Antenna		

	/Communications antenna			
	天线规范/Antenna specification	●		FPC 天线/FPC antenna
外形规格 /Form Factor	主机尺寸(长宽高)/ Main engine size (length, width, height)	●		116mm * 62mm * 11.8mm
	外壳材质/ Shell material	●		ABS 塑料/ ABS plastics
	IP 防护等级/ IP Protection Level	●		IP65
	强磁/ Strong magnet	●		选配磁铁/Equipped with a magnet
	主机重量/Host weight	●		82g

4 联系方式

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