

# 产品规格书

## Specification

**产品名称：** UHF 记录型温度传感器标签

**Part-Name:** Temperature Record RFID Logger Sensor Tag

**产品型号 Part-Number：** IVF-L113630U

**主天线型号 Antenna：** IVF-TP13126U

### 尺寸规格Dimensions

天线尺寸 Antenna Size 131X26mm

标签尺寸 Tag Size 136X30X14mm

### 产品特征Product Features

衬底基材 Substrate Material PCB based

天线材料 Antenna Material 铜蚀刻 Copper Etching

表面材料 Surface Material 无

外观特性 Characteristics ABS 标签( 可选绿色 ,白色 黑色 蓝色 Green, White, Black, Blue Optional )

**工作频率 Operating Frequency 840MHZ ~ 960MHZ**

协议 Protocol EPC Gen2v2 and ISO/IEC 29167-10

标签芯片 Chip IC NMV2D CAB0

TID : 112-bit

芯片内存容量 EPC : 192-bit

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Memory Capacity	User : File_0 with 512-bit of data Reserve: 112-bit Secure segment with 512bit, 256bit for keys and 256bit for data of P63 protocol (AES128 authenticate)
工作模式 Operating Mode	清点或读写 Inventory Read or Write
读写距离 Read and write range	>5.5M ( 固定式读写器 Fixed Reader )
温度测量范围 Temperature Measure	-40°C-85°C
测量精度 Temperature Accuracy	±0.5°C(Typical)/± 0.1°C(Specific Calibration)
重复编程次数 Programming Cycle	100,000 cycles
温度记录含时间戳/EEPROM/timestamp	up to 16000 measurements
电池续航 Battery usage	up to 21 days in a typical cold application
温度检测设置 Interval Config	Gen2v2 UHF RFID user-friendly interface to authenticate the product and to retrieve the EEPROM stored data
定时设置 Configurable periodic interval between measurements	
温度范围设置 Configurable Minimum and Maximum thresholds used for temperature comparison before storing in EEPROM	
Web 快速访问温度记录 Fast access through QR Code to Minimum and Maximum logged temperatures with timestamp without the need to read the entire EEPROM	
个性化编码 Personalized Coding	支持内外码一致数据结构 Support Associated with inside and outside code data structure
产品特性 Product Attribute	多次使用 Reuse

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## 环境参数 Environmental Parameter

数据保存 Data EEPROM Retention:	10 years
静电保护 ESD Voltage Immunity:	± 2KV
工作温度 Operating Temperature	-40°C ~ 85°C
储存温度 Storage Temperature	0°C ~ 25°C
操作湿度 Relative Humidity:	10% ~ 95%(As Less Reading As More Humidity)

## 包装资料 Packing Details

每袋数量 bag Number	依实际需求而定 According to actual demand
包装材料 Packing Material	塑料袋+外纸箱 Plastic bag + Paper Carton

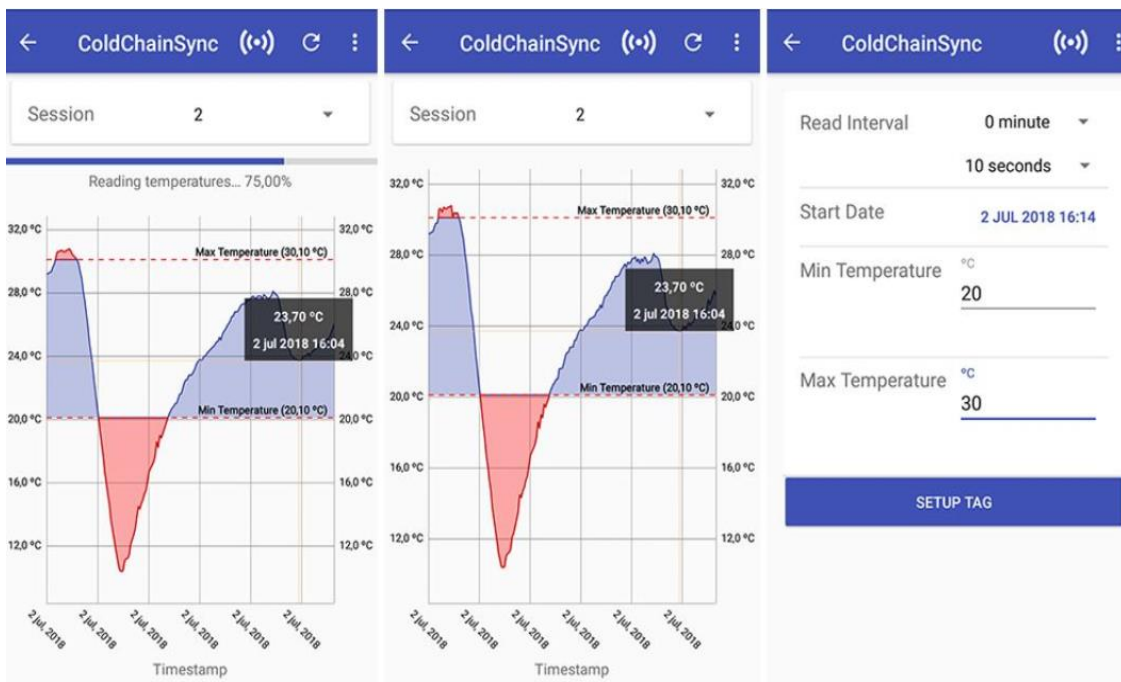
## 应用 Application

广泛应用于供应链，冷链，集装箱，物流，交通，运输等过程中的食品/药品/生鲜物品产品标识、温度检测，方便质量跟踪和溯源监管。

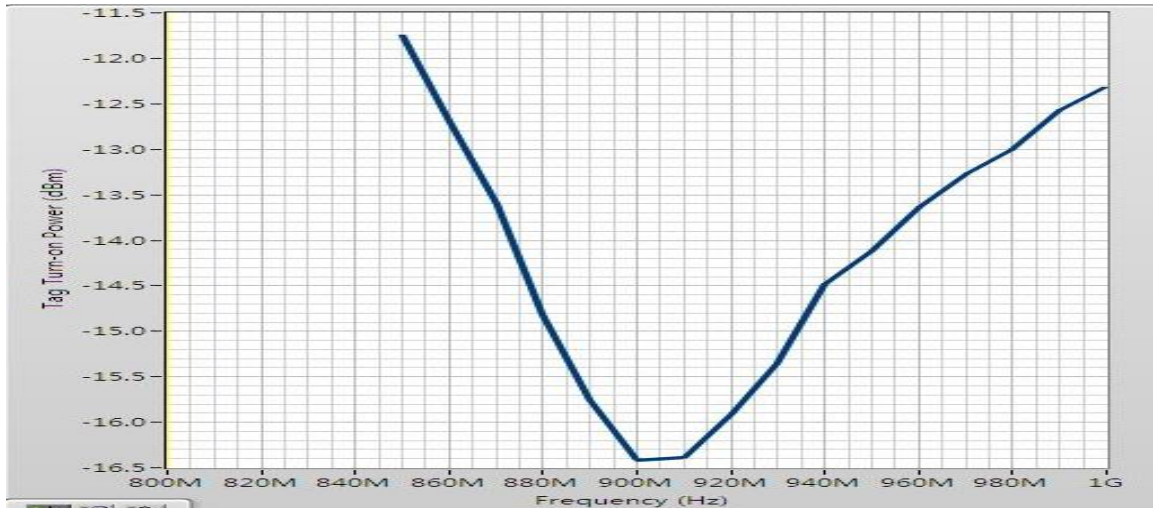
Widely used for items identification during the transportation, supply chain, Cold chain, Container, Logistics, cargo shipment, especially monitoring temperature control food/medicine/pharmacy/fresh items quality in sight, ongoing quality management, source traceability & supervision management.



参考图片 Reference Pictures



## 性能曲线参考图 Reference of Graphic Performance



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