

## LR HOME

Multi sensor LoRa tag

EU Version 868MHz : ref. IDF320004B

US Version 915MHz : ref. IDF320008



### BENEFITS

- LoRaWAN certified multi monitoring sensors
- Temperature, humidity, lightness & magnetic sensor
- Battery life : up to 20 years
- Compact and industrial casing – IP65 waterproof
- Integrated NFC chipset

## TECHNICAL SPECIFICATIONS

### OPERATING MODE

<b>Frequency</b>	868 MHz – LoRaWAN protocol 915 MHz – LoRAWAN protocol
<b>Output power</b>	Up to +14 dBm (configurable)
<b>Range</b>	Up to 5000 m depending on the DR mode used
<b>Transmission period</b>	300 seconds to 24 hours (adjustable value)
<b>Radio frame format</b>	30 bytes frame format including tag name (8 bytes), voltage in mV (2 bytes), temperature sensor data (2 bytes), humidity data (1 byte), lightness data (4 bytes) and the state of the magnetic sensor (2 bytes) * <i>*Refer to the frame specifications for more information.</i>

### Sensor characteristics

	Temperature	Humidity	Lightness
<b>Range</b>	-40 to +85 °C	0% to 100%	0.01 lux to 83 k lux
<b>Resolution</b>	0.01 °C	0.01 %	0.01 lux
<b>Accuracy</b>	±0,4 °C maximum	±2,5 % max (0% to 90%) ±3,5 % max (90% to 100%)	10% maximum error

### Parameters & configuration

#### Remotely configurable parameters

Interface/protocol : NFC (Type 2)

LED activation, LORA class, DR mode, transmitted power, standard transmission frequency and motion, reset magnetic detection counter

### LoRaWAN Network

OTAA activation

## BATTERY

<b>Power supply</b>	3.6 VDC – 2 LS14500 lithium battery replaceable by the user
<b>Battery life</b>	Up to 20 years* <i>*Refer to battery life curves for more information</i>
<b>Battery level</b>	Battery information included in the frame in mV

## CERTIFICATIONS

<b>Europe</b>	CE : EN 301 489-3 / EN 301 489-1 & EN 300 220-2 / EN 300 220-1 Health : EN62311 Electric security : EN 60950-1
<b>USA</b>	FCC : FCC 15.247 / FCC PT 15B
<b>Canada</b>	ISED : RSS-247/ICES-003
<b>RoHs</b>	Yes

## HOUSING

<b>Dimensions</b>	119 x 51 mm – height : 24 mm – 2 fixing holes type M4
<b>Weight</b>	125g
<b>Materials</b>	DELRIN (POM C)
<b>Waterproofness</b>	IP 65
<b>Operating temperature</b>	-40°C to +85°C

## ACCESSORIES

<b>Tag support</b>	Ultra-strong double-sided adhesive: LORA STICKER (ACIOM202)
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## MECANICAL DRAWINGS

