

LR ID



Identification LoRa tag

EU Version 868MHz : ref. IDF320002B

US Version 915MHz : ref. IDF320006

AU Version 915MHz: ref IDF320010-beta

BENEFITS

- Industrial LORAWAN certified tag
- Battery life : up to 20 years
- Smart management of transmissions by motion detection and magnetic sensor
- Compact and industrial casing – IP68 waterproof
- Integrated NFC chipset



TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency	868 MHz –LoRaWAN protocol 915 MHz – LoRaWAN protocol
Output power	Up to +14 dBm (configurable)
Range	Up to 5000 m depending on the DR mode used
Transmission period	300 seconds to 24 hours (adjustable value)
Radio frame format	21 bytes frame format including tag name (8 bytes), voltage in mV (2 bytes), magnetic sensor state (2 bytes) movement sensor state (3 bytes)* <i>*Refer to the frames specifications for more information.</i>
Parameters & configuration	Interface/protocol : NFC (Type 2)
Remotely configurable parameters	LED activation, accelerometer threshold, LORA class, DR mode, transmit power, standard transmission frequency and motion, reset motion counters and magnetic detection
LoRaWAN Network	OTAA activation
Motion mode	Changing the transmission period when motion is detected (user configurable)

BATTERY

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

CERTIFICATIONS

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

HOUSING

Dimensions	119 x 51 mm – height: 24 mm – 2 fixing holes type M4
Weight	125g
Materials	DELTRIN (POM C)
Waterproofness	IP 68
Operating temperature	-40°C to +85°C

ACCESSORIES

Tag support Ultra-strong double-sided adhesive: LORA STICKER (ACIOM202)

MECHANICAL DRAWINGS

