

Lora tag

IDF32XXXX



BENEFITS

- Industrial Lora 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	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 byte 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, 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, EN 300 220 & EN 300 330 Health : EN 62311 & EN 50665 Electric security : EN 60950-1
USA	FCC : FCC PART 15
Canada	ISED : RSS-247
RoHs	Yes
FCC ID	RVVELOR AHL1
IC	20429-ELOR AHL1

HOUSING

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

ACCESSORIES

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

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of the body.

FCC Statement

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.

§ 15.21 Information to user

The user manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Industry Canada Statement

This device complies with ISED's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. Le dispositif ne doit pas produire de brouillage préjudiciable, et
2. Ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.