

Ineo-Tag®

Ineo-Tag is an innovative product dedicated to identification and localization services. Thanks to a cutting edge approach, combining Real Time Localization Services and long range reading, Ineo-Sense offer a new way to solve active RFID concerns. Based on WAVENIS technology, which offer robust and bidirectional transmissions, Ineo-Tag is able to address efficiently various RFID applications as well as, asset management, on-line inventory, people and asset flow tracking, secured localization...

In addition, Ineo-Tag can include sensors allowing relevant applicative scenarios (Motion, Tilt, Tamper, temperature...). Ineo-Tag is the main node of a complete distributed system architecture. This architecture provides concrete new services and enables real-time triggering events.



Ineo-tag operational mode :

- Standby mode : Remote On/Off switching.
- Zoning detection : Allowing real time localization within 2 to 15 m range positioning.
- Periodic transmission : Regular presence frame (every 1 to 255 min).
- Motion alarm : Alarm frame on characterized shock & movement.
- On demand Localization : for one, a group or all Tags in the area.
- Digital alarm : Alarm transmission triggered on digital input (BP, Seal or Antifraud).
- Real time clock scheduler : Allowing automatic operational mode switch.
- Datalogging events : Rolling Storage of the tags events (Up to 1000).
- OTA Setting: over the air parameters adjustment.

Wavenis Technology overview :

Wavenis®, made by CORONIS, is a highly optimized wireless technology for M2M and WSN applications. With a finely tuned balance of long-range wireless connectivity and ultra-low power consumption, Wavenis offers a host of features to simplify network installation, remote control, data monitoring, and automated 2-way communications. These concretes added values establish WAVENIS as the most deployed technology with over 4 millions products on the field . Ineo-Sense works closely with CORONIS in order to define a specific wireless architecture dedicated to RFID used. This unique approach provides to Ineo-Tag a significant advance on common used.

Ineo-sense

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Ineo-sense wireless main characteristics :

- Transmission range up to 800 m line of sight.
- 2-way communications : Scheduled transmission, automatic alarms and on-demand reading.
- Robust against physical and electronic interferences.
- Fast event reactivity, huge coexistence ability.
- ETS 300-220 compliant.
- Operates in license free ISM 868 Mhz bands.
- Use Multi-channels frequency and FHSS to avoid collision.
- Dedicated alarm frequency channel.

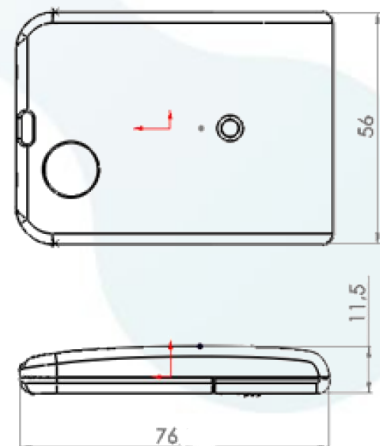


Hardware features :

- ABS Grey casing : IP55, Optional version IP68.
- Average weight : 65 grams.
- Two Lithium Button cells 1,9A.h (removable on IP55 version)
- Two leds for radio communication & event alerts
- Secured fixation with specific assembly
- Optional electric seal cable.
- One Motion sensor dedicated to Tilt & chock detection.
- Operating temperature : -20° to +70° C (-4° to 158° F)
- Highly optimized for long battery life in the field (> 3 years)
- Optimum industrial conception for efficient cost positioning.



Dimensions : 76 x 56 x 11,5 mm



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