



Key-Chain Holder Tag

RFID Active Tags
SIM-RFID



The Key-Chain holder format of second generation of INGECom Active Tag finds its use typically when the safety of workers is required.

The Key-Chain holder Active-Tag is totally compatible with the INGECom Active-Tag infrastructure. Therefore, the tag can be used together with any other Active-Tag of INGECom's extensive product range.

Its long range of communication makes it an ideal product for automatic real-time monitoring.

The antistatic IP67 polyethylene (PE) soft shell is over-molded around the electronic part. This very robust packaging is designed to operate in harsh environment. It resists to the aggression from oil, gas, most acids and bases.

Thanks to the exceptional long battery lifetime of 10 years over the full temperature range with a 4 second beacon rate, the Active tag operating cost can be as low as 0.005€ per day of usage, installation costs and software included.



The second generation of Active Tags is based on a new ASIC designed specifically for this application. The most modern CAD tools and simulation platforms have been involved for the design and industrialization of the product. It is fitted with a unique serial number hard-coded factory programmed over 56 bits (70 quadrillion combinations).

Features

Dimension, case	65 x 35 x 9 mm ; PE; Color Danish Blue or on demand
Protection rating	IP67
Coverage Range	Up to 3000m2
Operating Frequency	ISM band 2.45 GHz
User Configuration	Read Only or Read-Write 256 Bytes Beacon Rate configurable from 1s to 30s Tag Talk First or Reader Talk First mode
Battery lifetime	6 years @ 4s beacon rate, RO, over full temperature range
Operating Temperature	-20°C to +70°C

Compliance

Frequency	2.400GHz ~ 2.483GHz worldwide unlicensed ISM band
Temperature	IEC 60068-2-14 (Na) - Operating -20°C~70°C; Storage -30°C ~ 85°C
Vibration	IEC 60068-2-64 – Test Fh
Free Fall	IEC 60068-2-32 part2 – Test Ed
Regulation	ETS300-440 Rx Class 3; Tx Class 8; Duty cycle Class 2
Safety	EN50364: 2001 (Limitation of human exposure to EM fields)
SAR Coeff. in 10g of human tissue	< 0.000009 W/kg

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