



This active RFID tag transmits Radio Frequency (RF) signals at pre-set time intervals. It incorporates a convenient clip-slot for a lanyard and is specially designed for personnel tagging and asset monitoring.

This RFID tag operates at 433MHz and can be mounted on a variety of items for use. The tag comes with preconfigured Customer Site Code and tag ID. Tag age can be determined by reading a counter value and battery status can be inferred from this value. The tag can also alert in the case of movement or tampering. This compact active RFID tag uses a collision avoidance algorithm to disperse the transmission around the mean repetition interval. It has an auto-wake function that will automatically “wake it up” after five minutes and transmit its pre-configured data. Additionally, the tag life is estimated at 5 years at a transmission time interval of approximately 1.5 seconds.

Key features

- ✓ Configurable settings, including site / vendor ID, tag ID, transmission Repetition Interval and Alarm functions (these are programmed at order placement stage)
- ✓ Low power consumption. Tag life is estimated at 5 years when transmitting at a 1.5 second interval
- ✓ Housing incorporates a clip-slot for convenient wearing
- ✓ A collision avoidance algorithm is used to disperse the transmissions around the mean repetition interval



Technical Specifications

Frequency	433MHz
Field strength	< 1600µV/m
Modulation	ASK
Stability	Saw stabilized
Power	Internal power lithium battery
Type of material	ABS (ultrasonically sealed) IP 65
Size	86mm x 54mm x 5mm (slim line enclosure)
Weight	15g
Color	Grey
Operating temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
Humidity	5% to 90% (non condensing)





GAO RFID Inc.

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Product Overview

Active RFID Tag (124012)



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