



The active UHF compact tag is ideal for inventory control and asset tracking applications.

The 433MHz active RFID tag is used to track and monitor equipment in an office, warehouse or any other type of facility. It can be configured to track cars in a rental lot, monitor bins in a factory, find specific crates in a warehouse – basically any applications that requires system monitoring of assets. When used with card tag, all movement of valuable assets without an assigned owner will immediately generate system alarms and can securely lock exit doors.



Typically, the tag remains in sleep mode until it receives a wake-up command from an active reader or field generator. If the command is intended for this tag, then the tag will awaken and transmit its ID and other information to an assigned system reader. The tag can also be configured to automatically wake up at predefined intervals, transmit its information to the system, then go back to sleep to conserve battery life.

Unique anti-collision algorithms are used to ensure that all tag data is received, even when multiple tags are transmitting at the same time. To guarantee that all data remains accurate, all tag packets use reliable cyclic redundancy checks.

Several compact tag versions are available, each using one frequency for transmit and another frequency for receive. This dual-frequency method allows for fast and reliable communications. Other compact tag options include a bracket, LED, buzzer and various amounts of user memory ranging from 0 to 256kbits. Even more peripheral options may be added to satisfy your application needs.



Features

- ✓ Long read range
- ✓ Multiple, simultaneous read capability
- ✓ Low power consumption
- ✓ Small form factor
- ✓ Configuration options for automatic wake-up
- ✓ User options include: frequency selection, mounting bracket, LED, buzzer, memory size

Specifications

Transmit frequency	916MHz, 927MHz or 868MHz
Receive frequency	433MHz
User memory	0 to 256kbit
Optional memory	0 to 128kbit in 2x increments
Reade range	Receive<30m, transmit<45m
Multi-detection	Yes
Power requirement	3V Lithium-ion replaceable watch battery
Housing	ABS
Operating temperature	-35°C to 50°C
Storage temperature	-40°C to 85°C
Dimensions	59.9mm × 30.5mm × 10.2mm
Weight	14g





GAO RFID Inc.

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Product Overview

UHF Compact Active RFID Tag (127007)



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