



The badge tag can form part of an access control system for controlled areas.

The Active 433MHz RFID Badge Tag is a battery-powered RF transmitter that can be clipped onto an article of clothing or worn around the neck with a lanyard. Every tag broadcasts its factory pre-programmed unique ID and a status message at a periodic rate.

R140 Badge Tags are specifically designed for tracking personnel and their interaction with tagged assets. Alternately, when used with an RFID Reader portal antenna system, the badge tag can form part of an access control system for controlled areas.

These active RFID tags are programmed to operate at a 2-second beacon rate. Tag cases are impact resistant, splash resistant and temperature stable. Read ranges up to 1,000 feet can be obtained with optional antenna configurations. The standard tag operates with a very low duty cycle for a long battery life of greater than 3 years (typical) at a 2-second beacon rate.



Features

- ✓ Encoded Radio Transmissions at 433 MHz
- ✓ Designed for Tracking Personnel
- ✓ Clip to Clothing or Hang from a Lanyard
- ✓ 2 Second Beacon Rate
- ✓ Low Power Consumption for Long Battery Life
- ✓ Superior Anti-Collision Technology for High Tag Densities



Technical Specifications

Operation	
Operating Frequency	433.92 MHz
Group Code & Tag ID Codes	> 1trillion unique IDs
Typical Transmission Range	> 300 ft.
Radiated Emissions	71.8 dBuV/m (maximum)
Modulation	ASK
Stability	Saw Stabilized
Enclosure	
Width	2.15 in (54.6 mm)
Depth	3.40 in (86.36 mm)
Height	0.22 in (5.58 mm)
Case Weight	0.9 oz (25.5 g)
Construction	Injection-molded polycarbonate enclosure
Durability	Tough, impact resistant and temperature stable
Environmental	
Operating Temperature:	-20° C to +70° C
Storage Temperature:	-40° C to +80° C
Sealing	Splash resistant
Power	
Battery Type	Lithium CR2032 coin cell
Smart Tag Feature	Low battery indication
Battery Life	> 3 years (measured at 2 second beacon interval)



GAO RFID Inc.

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Product Overview

**Active 433MHz IT Asset Tag
124046**



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