



This passive RFID cattle ear tag enables the tracking and monitoring of each cow's feeding, location, vaccination and health history.

This passive Gen2 UHF RFID tag is specially designed for tracking livestock, particularly cattle (or other bovines: buffalo, oxen), and operates in 860 to 960MHz Gen 2 Class 1 frequency range. This RFID cattle ear tag enables the tracking and monitoring of each cow's feeding, location, vaccination and health history. The tag's EPC compliance enables excellent performance in applications that demand high anti-collision rates and its IP67 rating ensures that it can withstand harsh environments.



GAO's 860-960MHz RFID cattle ear tag shows robust performance and provides optimum read range over the entire UHF bandwidth and operates reliably in dense reader environments. The RFID cattle ear tag also provides a unique custom command set, which includes Electronic Article Surveillance (EAS) for increased security, Read Protection that prevents unauthorized chip memory access, and Calibrate, which facilitates the best possible communication between the tags and the RFID readers.

Applications

- ✓ Well suited for tracking cattle for foods, locations, vaccinations and health histories, etc.

Features

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|---|---|
| ✓ EPC C1 Gen 2 (ISO/IEC 18000-6C) compliant | ✓ Suitable for large size livestock animals such as cattle, namely cows |
| ✓ Fast read rate | ✓ 32bit access password, 32bit kill password |
| ✓ High anti-collision tolerance | ✓ Electronic article |
| ✓ IP67 enclosure – dust and water proof | ✓ Surveillance (EAS) |
| ✓ Mode performance | ✓ Multiple identification |



Specifications

Frequency	860 to 960MHz	
RF Air protocol	ISO18000-6C	
Functionality	Read/write	
Read distance	Up to 3m (read dependent)	
Data retention	Up to 10 years (< 55°C/131°F)	
Fast data rate	Forward link	40 to 640kbit/s
	Return link	40 to 640kbit/s
Security	32bit kill command	
Case material	TPU	
Substrate	PET	
Antenna	Aluminum/copper	
Operating temperature	-10°C to 50°C	
Dimensions	50mm × 30mm	





GAO RFID Inc.

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Celebrating Over 15 Year of Innovation

Product Overview

860 to 960MHz Gen 2 RFID Cattle Ear Tag (116034)



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