



USDA approved RaFid UHF RFID Tag that meets all of your livestock tracking requirements.

The RaFid UHF Tag is a passive Gen2 UHF RFID tag that is particularly designed for tracking livestock, particularly cattle.

This RFID ear tag allows for the tracking and monitoring of each individual cow's feeding location, vaccination and health history, and any valuable information specific to each cow.

The tag's EPC compliance enables excellent performance in applications that demand high anti-collision rates, and the ability to operate on 860-960MHz frequency proves robust performance that provides optimum read range over the entire UHF bandwidth.



800-Bits
Nonvolatile
Memory



USDA Approved
Official AIN device
(a.k.a. "840" tag)



Highly Flexible
Material



10-Year
Data Retention



www.RaFid.com

RaFid UHF Tag

USDA approved

Animal Identification Number (AIN) tag meets all of your livestock tracking requirements.



Functionality

- Fast scanning speed
- Durability makes it resilient to various weather conditions and normal wear and tear – 2 year warranty
- Compatible with ISO 18000-6C, EPC Class 1 Gen 2 UHF readers
- Low power operation for both read and program
- Custom commands for high speed programming
- Tags can be custom printed

Security

- User memory and password can be permanently locked and protected in 64 Bit Blocks
- Pre-Programmed with a unique, unalterable 64-bit serial number
- Secure plug and tag system prevents unwanted tag removal

Total RaFid Solution



Portal Antenna

Specification

Protocol	EPC Global Gen2 (V 1.2.0), ISO/IEC 18000-6C
Frequency	860-960 MHz
Memory	800-Bits of Nonvolatile Memory 96-EPC Bits, extensible to 480 Bits 512 User Bits 64 Bit Unique TID 32 Bit Access and 32 bit Kill Passwords
Data Retention	10 yrs
Programming Cycles	100,000 cycle
ESD (HBM)	± 2 kV Max
Operating Temperature	-50° ~ +85°
Relative Humidity	80% @ 25°

Application - Cattle traceability

- Track and monitor the location of individual cows
- Record vaccination and health history
- Imprint farm and cow information on the tag itself