



***This RFID tag provides visibility of an asset and the person responsible for its movement or handing, affording new levels of control, security and accountability. It incorporates a clip-on slot for convenient tagging to clothing and may be worn on a lanyard.***

The badge tag is designed for personnel monitor and other asset tracking applications such as vehicle yard management and IT asset tracking. The RFID tag provides visibility to the asset and the person responsible for its movement and handing, affording new levels of control, security and accountability. It incorporates a clip-on slot for convenient tagging to clothing and may be worn on a lanyard. This badge tag offers high read/write accuracy, long range operation and on-tag memory to store personnel information, authentication keys, history and other data directly on the tag.

### **Key Features**

- ✓ Low turn-on threshold
- ✓ High receive signal sensitivity and backscatter efficiency
- ✓ Multi-stage wake up
- ✓ Built-in application-specific security
- ✓ Lockable read/write user memory to protect data integrity
- ✓ Exceptional read/write reliability





## Technical Specifications

Device type protocol	Class 3 RFID ( battery-assisted passive) single chip transponder Class 3
Operating Frequency	902 to 928MHz (North America); 865 to 868MHz (Europe/India)
Modulation	Amplitude modulated forward link (reader to tag) Frequency modulated reverse link (tag to reader)
Range	Up to 50m/150ft in open space; 35m/114ft in personnel applications
Data Rates	8Kb/sec forward link; 8 or 32Kb/sec reverse link
Memory	64Kb total, 60Kb rewritable non-volatile user memory
Battery Life	Up to 5 years depending on use; data is persistent and also readable at close range upon battery expiration
Data Retention	10 years at 85°C
Enclosure Protection	IP55
Temperature (operating and storage)	-4°F to 140°F (-20°C to 60°C)
Shock	IEC 60068-2-32, test Ed
Vibration	IEC 60068-2-6, test FC
General Dimensions(mm)	87.6 (L) × 56 (W) × 3 (D)
Mounting Options	Clip-on slot
Other Features	Password-controlled read, write, 1Kb block level locking and permalock





**GAO RFID Inc.**

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*Product Overview*

**Semi-Passive UHF RFID Badge Tag (136008)**



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