

# Product Data Sheet



## Eureka-iD Secure Card Tag

### Eureka-iD Secure Card

The Eureka-iD Secure Card is a hands free long range active tag generally used for personnel and asset identification, tracking and security applications in industry, commerce and the service sector.

The tag is designed to be worn using a lanyard, necklace or clipped to clothing for personnel applications or fixed to assets using a permanent adhesive.

With a footprint of a standard credit card, the Eureka-iD Secure Card is a light weight ultrasonically sealed ABS plastic enclosure providing protection from adverse environmental conditions.

### Tag Operation

The tag is powered by an internal battery and operates either by transmitting data repeatedly at a preset interval or when it enters a wakeup interrogation field. The Eureka-iD Secure Card has a unique tag identification number and built-in anti-collision allowing multiple tags to be identified simultaneously.

Operational tag life is estimated at 3-5 years depending on the tags use, application and environment.

Other features include, OEM Codes to ensure reliable operation with multiple systems, battery monitor giving prior warnings to prevent tag failures and configurable orientation for maximum range.

**Eureka-iD** - Interacting with assets.

### Transmit

Frequency	868 MHz
Modulation	FSK (frequency shift keying)
ERP	<2uW
Data Rate	19,200 baud
Range	Up to 100m

### Wakeup

Frequency	125kHz
Modulation	OOK (on-off keying)
Sensitivity	1 mV RMS
Data Rate	600 baud
Range	Wakeup Up to 5m

### Environmental

Operating Temperature	-10°C to +50°C
Storage Temperature	-10°C to +50°C
Humidity	5% to 90% (non condensing)

### Physical

Size	85mm x 54mm x 6.5mm
Weight	22.5 grams
Colour	Grey
Material	ABS (Ultrasonically Sealed - IP67)

### Electrical

Power	Internal Lithium coin cell
-------	----------------------------

### Approvals

EN301 489-3 v1.2.1 (2000-08)  
EN300 220-3 v1.1.1 (2000-09)