

## Product Data Sheet



### Eureka-iD Asset Tag

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A hands free, long range active tag, generally used for asset and vehicle identification, tracking and security applications in industry, commerce and the service sector.

The Eureka-iD Asset Tag is ultrasonically sealed into a toughened ABS case, which provides protection from adverse environmental conditions and has the option to be housed in a ruggedised shock resistant casing providing ultimate protection in harsh environments. Depending on the application the tag can be fixed to an asset or vehicle using a permanent adhesive or bolted using the optional tough rubber housing.

#### 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 local radio frequency wakeup field. The Eureka-iD Asset Tag has 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	1mV 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

Case Size	38.3mm x 33.1mm x 10.2mm
Rubber Housing**	83mm x 55mm x 27mm
Weight	11 grams
Weight In Rubber Housing	119 grams
Colour	Grey
Case Material	ABS (Ultrasonically Sealed or resin potted)

#### Electrical

Power	Internal lithium coin cell
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#### Approvals

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

\* Subject to orientation & environmental conditions

\*\* **Option** - Tough rubber housing with fixing holes. Provides improved performance on metallic objects. Ideal for vehicle applications and harsh environments.



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