
Product Overview

Confidex Steelwave is designed for indoor tracking and asset management solutions where small size but best achievable performance of passive UHF RFID technology can be utilized. An impressive read distance of up to twenty feet has been achieved using fixed readers with the steelwave tag.

The steelwave leverages a specially designed Confidex inlay wrapped around a plastic core and covered by a durable label. This tag features a three dimensional antenna which provides superior performance on any material, including metal.

Specifications

Dimensions – 1.8 x 1.3 x 0.24 inches (45 x 34 x 6 mm)

Communication Protocol – EPC Class 1 Gen 2 / ISO 18000-6C

Frequency Range – 915 MHz

Integrated Circuit (IC) / Memory

- Impinj Monza – 96 bits

Materials – Plastic with Poly Label

Environmental Durability

- Temperature - -4F – 185F (-20C – 85C)
- Impact Resistance – Good
- Chemical Resistance – Not designed for harsh environments

Mounting / Attachment – Adhesive (included by default)

Performance (*using Motorola MC9090G hand-held unit in asset management scenario*)

- Read Range - 12 feet (4 meters) on-metal; 9 feet (2 meters) off-metal
- Orientation Sensitivity – linear; performs best at 90 degrees to hand-held linear antenna

Options

- Custom labeling (Barcode, Data Matrix, Human Readable) and encoding services available



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Note: Tag performance and durability will vary based on RFID hardware configuration and other environmental conditions. Customers should evaluate tags for application suitability before committing to large order quantities.

For More information on these and our ever increasing selection of standards based passive RFID tags contact:

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