
Product Overview

The Ironside Gen2 on-metal RFID tag is the benchmark for passive RFID in its size and durability. Ironside can easily be mounted with industrial adhesive or mechanically on any metallic surface. An impressive read distance of up to twenty feet has been achieved using fixed readers with the steelwave tag.

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

Specifications

Dimensions – 2 x 1.9 x 0.39 inches (51.5 x 47.5 x 10 mm)

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

Frequency Range – 915 MHz

Integrated Circuit (IC) / Memory

- NXP G2XM – 512 bits

Materials – Durable Elastomer

Environmental Durability

- Temperature - -67F – 220F (-50C – 105C)
- Impact Resistance – Highly Impact Resistant
- Chemical Resistance – Very Good

Mounting / Attachment – Adhesive or Mechanical (rivets, etc.)

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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