Product Datasheet

BEONTAG IRONSIDE FLEX

Description

Durable hang tag for hard-to-tag items with industry leading performance

Electrical specifications

Device type
RAIN RFID / EPCglobal Gen2v2

Operational frequency
Global 865-928MHz

IC options and memory configurations
Impinj M730™
• EPC 128 bit; TID 96 bit

EPC memory content
Unique number encoded as a default

Read range (2W ERP)*
Up to 20 m / 65 ft

Applicable surface materials*
Designed to be hanging from any material including metals. Proximity of metals can influence the read range.

* Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may influence performance.

Mechanical specifications

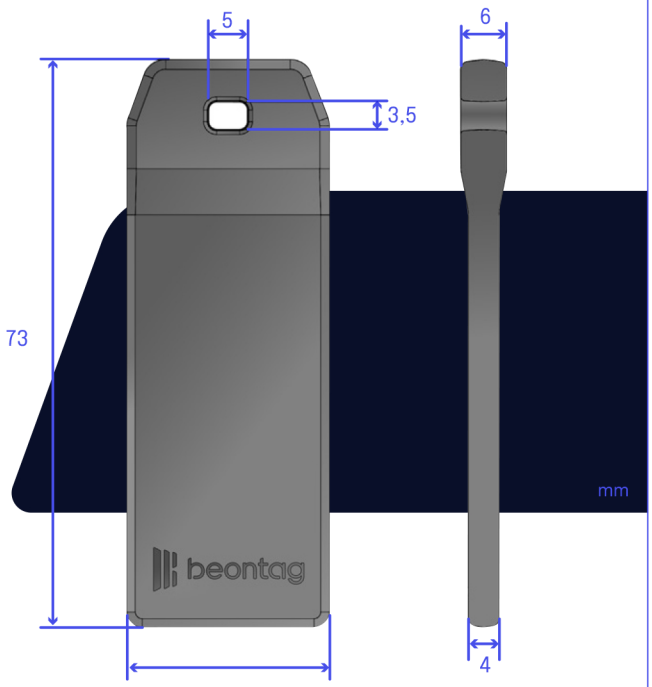
Tag materials
High quality thermoplastic elastomer

Weight
7 g

Delivery format
Single

Amount in box
600 pcs

Dimensions
73 x 26 x 6 mm / 2.87 x 1.02 x 0.16 in



Personalization options

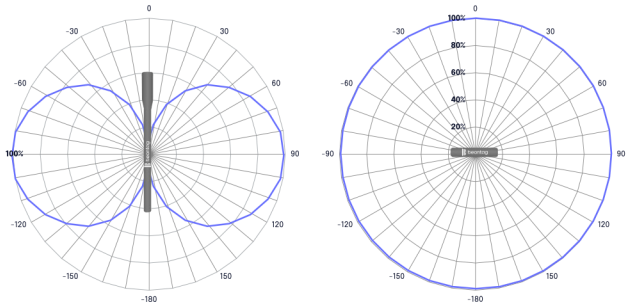
Pre-encoding
Customer specific encoding of EPC or user memory. Locking permanently or with password.

Customized laser engraving
Customer specific layout including logo, text, numbers.

Product Datasheet

BEONTAG IRONSIDE FLEX

Radiation pattern

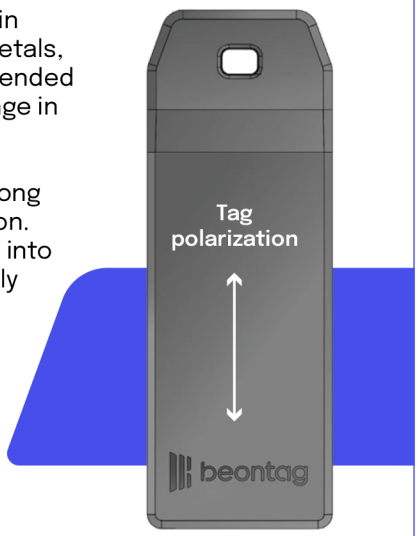


Installation instructions

Beontag Ironside Flex is designed to be attached hanging from the asset. Attachment can be made for example with plastic cable tie or a metallic wire.

Tag is readable also in close proximity of metals, but it is still recommended to test final read range in actual application.

Tag polarization is along the longest dimension. This should be taken into account when linearly polarized reader antennas are used.



Environmental resistance

Operating temperature
-35˚C to +85˚C / -31˚F to +185˚F

Ambient temperature
-35˚C to +85˚C /-31˚F to +185˚F

Peak temperature
+140˚C /+284˚F for 10min

IP classification
IP68

Chemical resistance
No physical or performance changes in:
- 168 hour Motor oil exposure
- 168 hour Salt water (salinity 10%) exposure
- 168 hour Sulfuric acid (10%, pH 2) exposure
- 168 hour NaOH (10%, pH 13) exposure
- 2h Acetone

Expected lifetime
Years in normal operating conditions

Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Beontag for more specific information.

Product Datasheet

BEONTAG IRONSIDE FLEX

Order information

Product number: **3004152**
Product name: **Beontag Ironside Flex M730**

For other versions, additional information and technical support please contact Beontag.

DISCLAIMER

THE MATERIALS, PRODUCTS AND SERVICES ARE SOLD SUBJECT TO ITS STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BEONTAG MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN BEONTAG STANDARD CONDITIONS OF SALE, BEONTAG AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Beontag products, materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished systems incorporating Beontag products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Beontag.

About Beontag

From the science of graphic and label materials, RFID and wireless IoT enablers, we create solutions across the value chain to deliver digital transformation for businesses around the world.

Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

Beontag is one of the world's leading providers of RFID and wireless IoT solutions, being present in more than 40 countries with 7 R&D centers and 2,000 employees, in constant development of technological and sustainable solutions designed to connect items, and gain efficiency and end-to-end traceability