

# 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.



### 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.



### Mechanical specifications

#### Tag materials

High quality thermoplastic elastomer

#### Weight

7 g

#### Delivery format

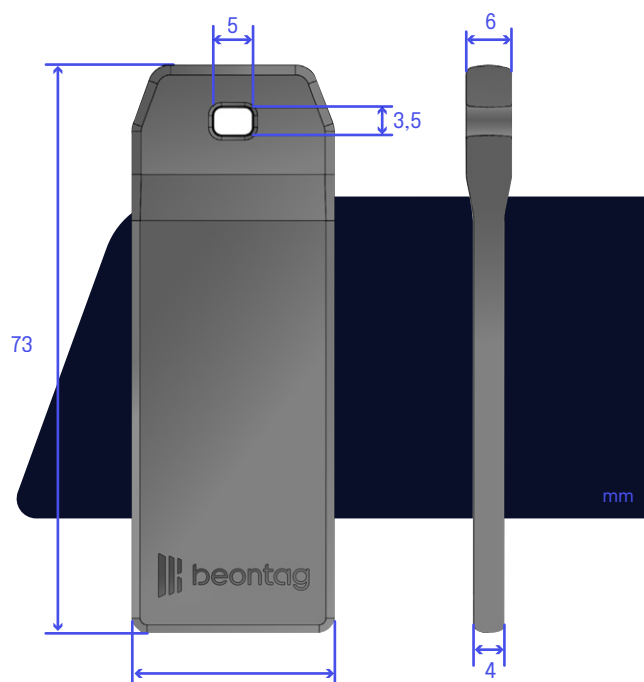
Single

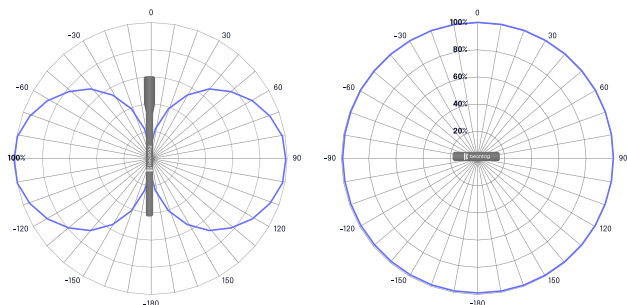
#### Amount in box

600 pcs

#### Dimensions

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



**Radiation pattern****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.

**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.





### Order information

Product number: **3004152**

Product name: **Beontag Ironside Flex M730**

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

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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

CONTACT US FOR  
MORE INFORMATIONS:  
**beontag.com**

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