



**ECO RFID**  
Tag Technology  
by Beontag

## A plastic-free tag optimized for item level retail and supply chain application

ECO Rack is designed to perform in demanding, close-coupling environments often present in retail and supply chain applications. ECO Rack's size is an established form factor commonly used in hang tags, price stickers and shipping labels.

ECO Rack is a paper-based tag and has only one layer and the release liner - a great choice for low-detuning materials such as cardboard and plastic.

### ANTENNA DIMENSIONS

70X15 mm



**FOOD  
RETAIL**



**APPAREL**



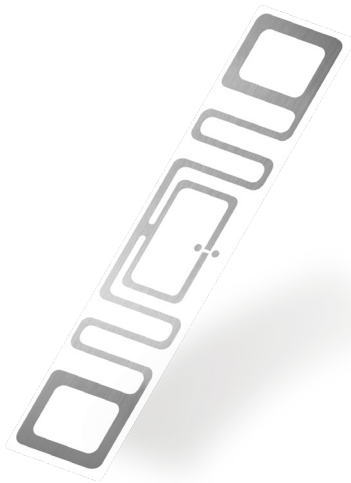
**SUPPLY CHAIN  
MANAGEMENT**



**RAIN RFID TAG**

**ECO Rack**

# ECO Rack key features



1:1 ECO Rack tag

## Perfect for retail and item level tagging

ECO Rack is suitable especially for demanding retail and item level tagging. ECO Rack is cost-competitive with traditional inlay options. Innovative production technologies enable highly efficient production processes and minimize waste and transportation cost. ECO Rack offers high read reliability and excellent performance even when stacked in close proximity. ECO Rack is available with NXP's UCODE 8 and UCODE 9.

## Reliable choice

ECO Rack tags pass industry standard tests for temperature and humidity (IEC 60068-2-67), temperature cycling (JESD22-A104-B) as well as tag bending tests. These comprehensive tests ensure ECO Rack performs at all stages of the products life cycle and can safely be used to track items from source to the point of sale.

## Global tag for global operations

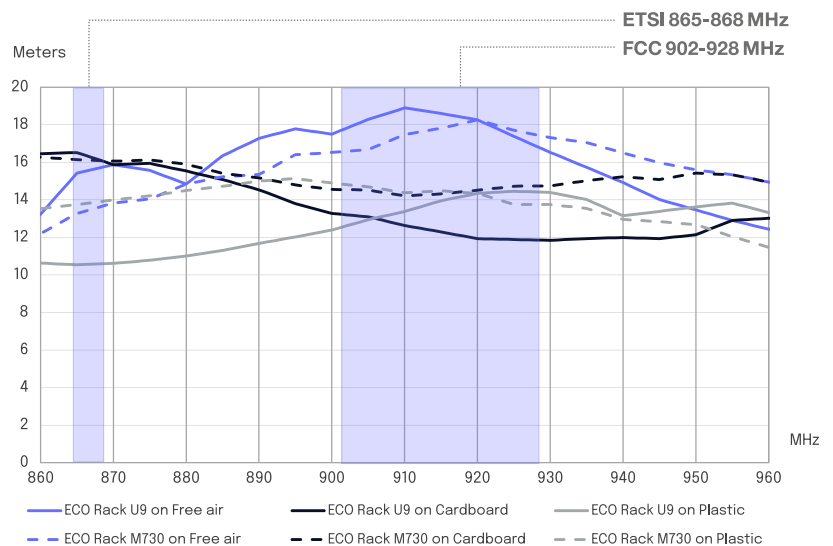
ECO Rack is a choice for retailers and brand owners globally, as it is compliant with current frequency regulations. Converting of ECO Rack into hangtags or stickers is easy, the delivery format is a single layer paper tag without the extra polyester layer present in all traditional etched inlays.

## Technical details

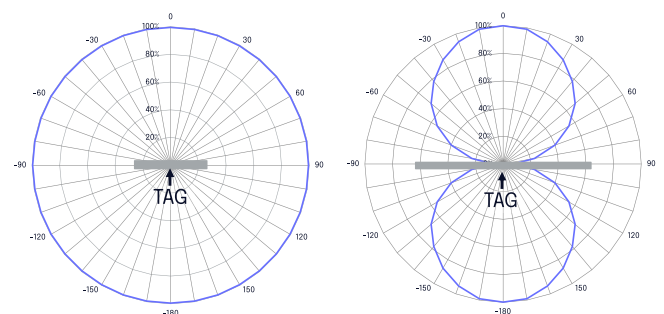
| PRODUCT                 | ECO RACK M730  | ECO RACK UCODE 9                                       |
|-------------------------|--|--|
| Sales Code              | 3004406  | 3004385  |
| IC & electrical details | 128 bit EPC<br>860-960 Mhz<br>EPC Gen2v2,<br>ISO 18 000-63       | 96 bit EPC<br>860-960 Mhz<br>EPC Gen,<br>ISO 18 000-63 |
| Size (paper tag)        | 72 x 17 mm   |  |
| Web width               | 80 mm  |  |
| Delivery details        | 76 mm core<br>5000 pcs/reel<br>1 year shelf life in +20°C, 50%RH |  |

\*U8, U9xe and M750 IC versions also available on special request

## Theoretical read range forward



## Orientation Sensivity in air



## Suitable Use Cases

ECO tags are made with a sustainable paper-based substrate, which has limitations in durability. They are tested to withstand standard converting and label applicator processes, as well as indoor retail and logistics environments. Compared to PET-based tags, paper-based ECO tags are more sensitive to high humidity and are not suitable for applications involving heavy wrinkling. For more information, please contact Beontag.

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## 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

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

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