Sustainable 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 fiber-based and an environmentally friendly choice for low-detuning materials such as cardboard and plastic.
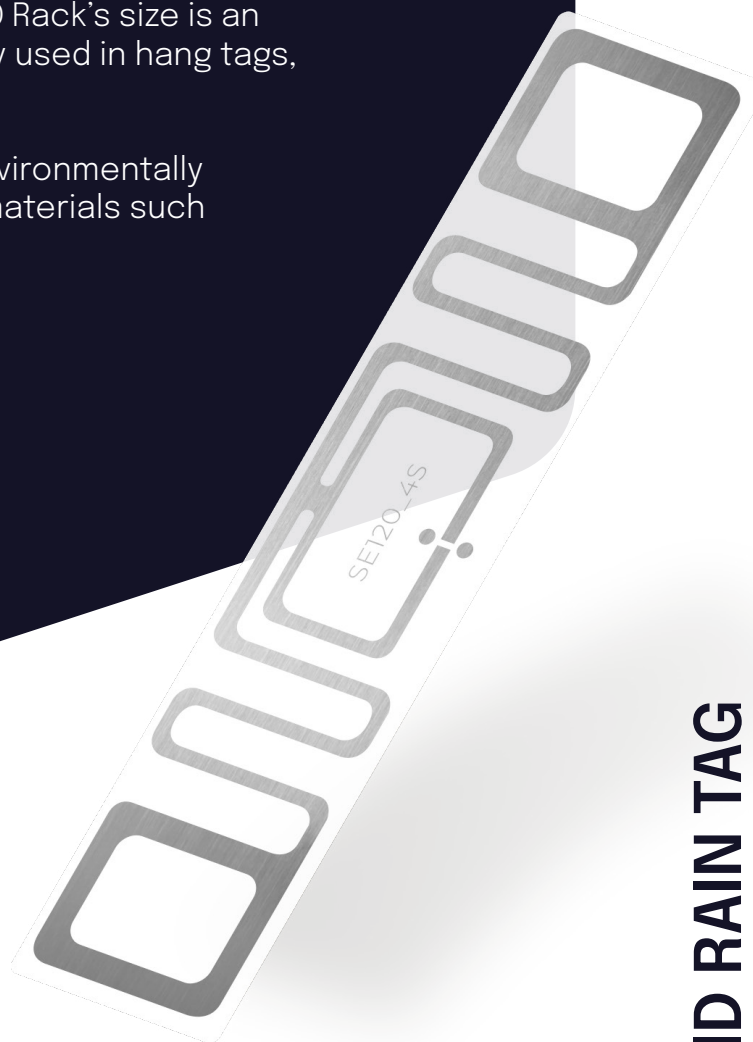
**FOOD
RETAIL**
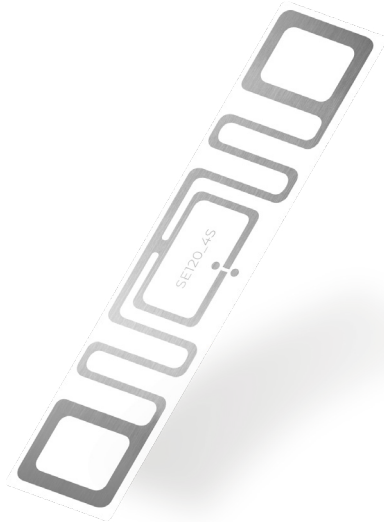
APPAREL

**SUPPLY CHAIN
MANAGEMENT**

SE120_4S

beontag

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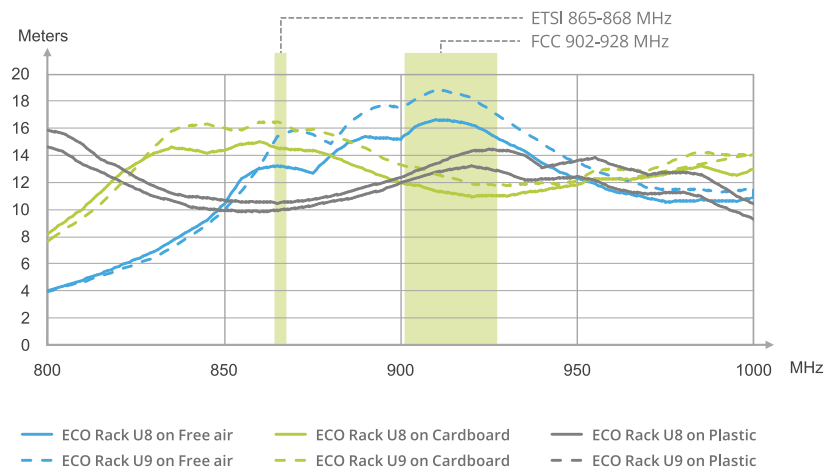
Global tag for global operations
ECO Rack is a choice for retailers and brand owners globally, as it is compliant with current frequency regulations. Converting of ECO Rack into hangtags or stickers is easy, the delivery format is a single layer paper tag without the extra polyester layer present in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

Technical details

PRODUCT	ECO RACK UCODE 8	ECO RACK UCODE 9
Sales Code	128 bit EPC	128 bit EPC
IC & electrical details	128 bit EPC 860-960 Mhz EPC Gen2v2, ISO 18 000-63	96 bit EPC 860-960 Mhz EPC Gen2v2, ISO 18 000-63
Size (paper tag)	72 x 17 mm	
Web width	80 mm	
Delivery details	76 mm core 5000 pcs/reel 1 year shelf life in +20°C, 50%RH	

Theoretical read range forward

ECO Rack U8 on Free air
ECO Rack U9 on Free air
ECO Rack U8 on Cardboard
ECO Rack U9 on Cardboard
ECO Rack U8 on Plastic
ECO Rack U9 on Plastic

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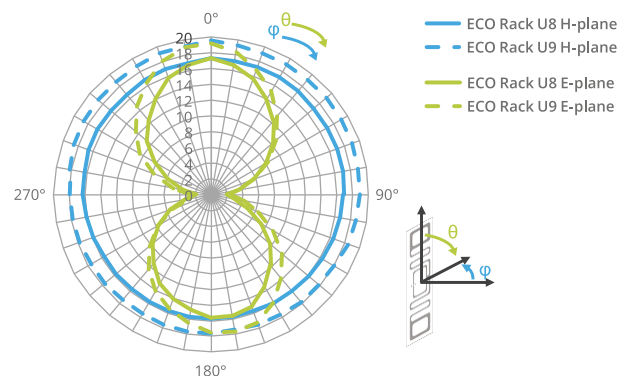
Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

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 INFORMATIONS:
beontag.com

Orientation Sensivity in air

ECO Rack U8 H-plane
ECO Rack U9 H-plane
ECO Rack U8 E-plane
ECO Rack U9 E-plane