

BATTERY-LESS UHF-BAND

# E-Paper TAG



Reducing Paper use  
for Streamlined  
Operations



## E-PAPER TAG

All the advantages of an RFID tag combined with the visibility of information on paper. The e-Paper Tag integrates RFID technology with visual display features to enhance data management. By automating data reading and writing with RFID, the tag provides real-time updates on inventory levels. This solution maintains the clarity of visual information on paper while streamlining processes, offering a more efficient way to track products throughout manufacturing and distribution.



### Easy visualisation

With the RFID e-Paper Tag, the contents of a box or container are reproduced visually and digitised. This allows inventory to be tracked smoothly along the manufacturing and supply chain.



### Automatic labelling

Automatic labelling and data storage of the e-Paper Tags, e.g. during picking, eliminates the need for additional paper documents and/or labels.



### Efficient and Low-Maintenance

The reusable e-Paper Tags reduce the need for additional labels and documents, streamlining inventory management. The integrated RFID technology enhances operational efficiency by automating data handling. Additionally, the e-Paper Tag operates without a battery, reducing maintenance requirements.

## STRUCTURE OF THE E-PAPER TAG

### Visible information

The display of the e-Paper Tag can show all the information that would usually be printed on a paper label including 1D and 2D barcodes.

### Hidden information

During set-up, each e-Paper Tag must be set to receive a unique ID. This is used to locate the labelled box or container and its contents.

## SPECIFICATIONS

Specification		
Tag Communication Method	UHF	
Frequency Range	Varies by country	
Display	Size (Resolution)	2,9" (296 x 128)
	Colour	Text: Black Backlight: White
Writing / Reading Distance *1	Inventory	160 cm
	Update Image	40 cm
Reusable (Lifetime)	1.000.000 times	
Memory *2	EPC (UII): 480 bit (60 byte) User area: 61.440 bit (7.860 byte)	
Protection rating	IP54	
Dimensions	103 x 46 x 6,6 mm	
Weight	Approx. 35 g	

\*1 This is a test value. The distance varies depending on the manufacturer of the RFID scanner. The test value was determined under room temperature conditions and is not guaranteed

\*2 The user can use 32,768 bits (4,096 bytes) when updating the image.

## COMPATIBLE WITH

- RFID Reader - SP1
- RFID Reader + Antenna - UR40

Manufacturer:

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