

Product number: 68209U

# NFC tag ABS - 40 x 32 mm - MIFARE Classic EV1 1k - 1024 Byte - white - printed | white



## coe-datasheet-sw6.pdf.productInformation

We print our plastic tags using modern digital UV direct printing process, which offers high resolution, color accuracy and durability. This custom printable NFC tag features the waterproof material and its distinct temperature resistance. For your desired design, simply download our matching [print template](#) and provide us with your desired print layout conveniently via our configurator.

## Short description

- ABS material, plastic, rigid
- format: 40 x 32 mm, oval
- printing on one or both sides of the tag
- 4-color printable
- NFC chip: MIFARE Classic 1k (1024 byte, NDEF: 716 byte)

## Product description

### NFC product

The NFC tag is made of a robust ABS material and has a format of 40 x 32 mm with a material thickness of 4.3 mm. Due to its waterproof material and its distinct temperature resistance, it is often used in the industrial sector, e.g. for access control on construction sites or for time recording of employees in indoor as well as outdoor areas.

### Print

Our tags are printed using the modern digital UV direct printing process, which offers high resolution, color accuracy and durability. This makes it possible to display images in photo-realistic quality or print tiny font sizes in a legible manner. This environmentally friendly technology allows us to personalize your products on one or both sides, adding logos, images, text or other designs from a wide range of colors. The applied ink layer is abrasion resistant as well as resistant to water, sunlight and chemicals.

**Note:** Single-sided printing is included in the product price. A one-time setup fee will be charged additionally for setup of one-sided/two-sided printing.

You can add the printing of the tag via the configurator. You can find the suitable [print template for](#) printing a free motif here.

## NFC chip

The ABS tag is equipped with the original MIFARE Classic 1k. The MIFARE Classic 1k has a total capacity of 1024 bytes (free memory 864 bytes), of which usable memory in the NDEF is 716 bytes. The MIFARE Classic 1k has a 4-byte non-UID. The NFC chip can be written up to 100,000 times and has a data retention of 10 years. Due to the CRYPTO 1 encryption algorithm, the chip offers a certain level of security for the data. From today's point of view, however, the encryption is no longer considered secure, so new applications should be based on the MIFARE DESFire EV1 or newer. The chipset is not compatible with all NFC-enabled smartphones.

- Total capacity: 1024 bytes
- Free memory: 864 bytes
- Usable memory NDEF: 716 bytes

## Product properties

Product number	68209U
Antenna format	22 mm
Functions	4 Byte UID, true anticollision, rewritable
Available colours	green, grey, black, blue, red, orange, white
Dimensions	40 x 32 mm (W x H)
Detail colour	white
Frequency	13.56 MHz
Material thickness	4,3 mm (T)
Memory	1024 Byte (free: 864 Byte, NDEF: 716 Byte)
Data transfer rates	106 kbit/s
Chip standards / ISO Norm	ISO 14 443-3 A, ISO 14 443-2 A
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Colour category	white
Weight	4 g
Chip	MIFARE Classic EV1
Material	ABS
Product form	oval
Antenna	Copper
Type	Keyfob
Delivery options	single

<b>Water resistance</b>	waterproof (IP67)
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## More images

