Product number: 68916U

NFC tag ABS - 40 x 32 mm - MIFARE DESFire EV1 8k - 8192 byte - blue - printed | 8192 Byte | blue



Product information

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
- One-sided printing on the tag
- 4-color printable
- NFC chip: NXP MIFARE DESFire EV1 8k - 8192 byte
- **Note**: Key rings are enclosed separately

Product description

NFC product

The NFC tag is made of a robust and waterproof ABS material and has a format of 40 x 32 mm with a material thickness of 4.3 mm. Due to the integration of the MIFARE DESFire EV1 8k chipset, it is often used in industry in areas with high security requirements, for example in access control or for locking systems.

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 to print even tiny font sizes legibly. 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.

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 DESFire EV1 8k (MF3ICD41). The MIFARE DESFire series is intended for the realization of applications with high security requirements and offers corresponding security functions, which enable the protected storage of data on the chip. The MIFARE DESFire EV1 8k has a total capacity of 8192 bytes, which can be used by up to 28 applications. The DESFire EV1 8k chip has a 7-byte UID. The NFC chip can be written up to 500,000 times and has a data retention of 10 years. The chip is Common Criteria (EAL4+) certified and offers 3-DES or AES128 compliant encryption, among other features. The MIFARE DESFire EV1 8k is compatible with all NFC-enabled terminals. Due to the special functions, special hardware (locking system) or software (app) is usually required for use. Feel free to contact us to clarify compatibility with your application.

- Total capacity: 8192 bytes
- Free memory: -
- Usable memory NDEF: -

Product properties

Product number	68916U
Antenna format	22 mm
Dimensions	40 x 32 mm (W x H)
Memory	8192 Byte
Frequency	13.56 MHz
Available colours	black , blue
Material thickness	4,3 mm (T)
Chip standards / ISO Norm	ISO/IEC 7816-4 , ISO/IEC 14443A
Data transfer rates	212 kbit/s , 106 kbit/s , 848 kbit/s , 424 kbit/s
Storage temperature	Min -55°C - Max +125°C
Detail colour	blue
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Weight	4 g
Functions	7 Byte UID
Material	ABS
Compatibility	to NFC-enabled smartphones: 100%
Product form	oval
Colour category	blue
Antenna	Copper
Type	Keyfob
Number of write operations	500.000 times

Delivery options	single
Chip	MIFARE DESFire EV1
NFC Forum Type	NFC Forum type 4
Water resistance	waterproof (IP67)

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