Product number: 68836U

# NFC tag ABS - 40 x 32 mm - MIFARE DESFire EV2 4k - 4096 byte - black - printed | black | 4096 Byte




## 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
- printing on one or both sides of the tag
- 4-color printable
- NFC chip: NXP MIFARE DESFire chip EV2 4k - 4096 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 EV2 4k chipset, it is popularly used in industry in areas with high security needs, such as access control or for locking systems.

### Printing:

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 appropriate print template for printing a free motif here.

## NFC chip:

The ABS tag is equipped with the original MIFARE DESFire EV2 4k (MF3D 42). The chip offers full backward compatibility to the MIFARE DESFire EV1. The MIFARE DESFire series is intended for the realization of applications with high security requirements and offers corresponding security functions that enable the protected storage of data on the chip. The MIFARE DESFire EV2 series (MF3Dx2) increases the level of security with new features (key set rolling), removes the limit for applications and offers higher write speed and improved range compared to its predecessor.

The MIFARE DESFire EV2 4k has a total capacity of 4096 bytes and has a 7-byte UID. The NFC chip can be written up to 500,000 times and has a data retention of 25 years. The chip is Common Criteria (EAL5+) certified and offers 3-DES or AES128 compliant encryption, among other features. The MIFARE DESFire EV2 4k 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: 4096 bytes
- Free memory: -
- Usable memory NDEF: -

# Product properties

| | |
|---|---|
| **Product number** | 68836U |
| **Antenna format** | 22 mm |
| **Dimensions** | 40 x 32 mm (W x H) |
| **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 |
| **Operating temperature** | Min -25°C - Max +70°C |
| **Data retention** | 10 years |
| **Detail colour** | black |
| **Weight** | 4 g |
| **Colour category** | black |
| **Functions** | 7 Byte UID |
| **Material** | ABS |
| **Compatibility** | to NFC-enabled smartphones: 100% |
| **Product form** | oval |
| **Chip** | MIFARE DESFire EV2 |
| **Antenna** | Copper |
| **Type** | Keyfob |
| **Number of write operations** | 500.000 times |

| | |
|---|---|
| **Delivery options** | single |
| **Memory** | 4096 Byte |
| **NFC Forum Type** | NFC Forum type 4 |
| **Water resistance** | waterproof (IP67) |

## More images







