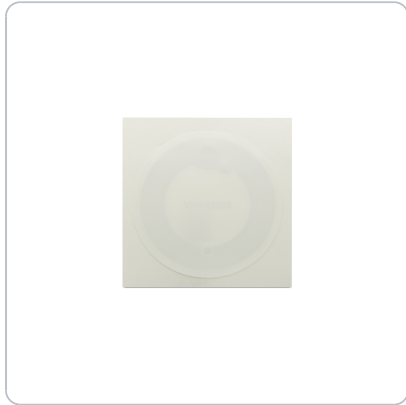


Product number: 68316

# NFC Sticker PET - 38 mm - MIFARE DESFire EV1 4k - 4096 Byte - white



## coe-datasheet-sw6.pdf.productInformation

The white PET sticker offers a high level of security due to its integrated NXP DESFire EV1 chipset and is therefore ideally suited for locking systems, access control, payment applications or intelligent systems in public transport.

## Short description

- PET material, flexible, self-adhesive
- not suitable for metallic/conductive surfaces
- 38 mm diameter
- Indoor use, also outdoor use to a limited extent
- Ambient temperature from -25 to +70 degrees
- NXP MIFARE DESFire EV1 4k - 4096 Byte

## Product description

### NFC product

The surface material of the white NFC sticker is made of PET. The material is therefore conditionally waterproof, so that the sticker can withstand moisture even in moderation. The sticker has a diameter of 38 mm and a material thickness of 0.18 mm. The antenna is easily visible from the outside, because the sticker is white. The chipset of the sticker is compatible with all NFC-enabled smartphones.

### NFC chip

The PET sticker is equipped with the original MIFARE DESFire EV1 4k (MF3ICD41). The MIFARE DESFire series (MF3ICDx1) 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 4k has a total capacity of 4096 bytes, which can be used by up to 28 applications. The DESFire EV1 4k 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 certified according to Common Criteria (EAL4+) and offers, among other things, 3-DES or AES128 compliant encryption. The MIFARE DESFire EV1 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. Please contact us to clarify the compatibility with your application.

- Total capacity: 4096 bytes
- Free memory: -
- Usable memory NDEF: -

## Product properties

Product number	68316
Detail colour	white
Frequency	13.56 MHz
Chip standards / ISO Norm	ISO/IEC 7816-4, ISO/IEC 14443A
Data transfer rates	106 kbit/s, 848 kbit/s, 424 kbit/s
Material thickness	0,18 mm (T)
Type	Sticker
Data retention	10 years
Colour category	white
Material	PET
Product form	round
Compatibility	to NFC-enabled smartphones: 100%
Weight	1 g
Available colours	white
Dimensions	38 mm Ø
Adhesive layer	Yes
Antenna	Aluminium
Number of write operations	500.000 times
Chip	MIFARE DESFire EV1
Memory	4096 Byte
NFC Forum Type	NFC Forum type 4

## More images

