

Product number: 68837

# NFC card PVC - 85,6 x 54 mm - MIFARE DESFire EV2 4k - 4096 Byte - white glossy | without print



## Product information

With the MIFARE DESFire EV2 4k chipset, the PVC NFC card offers a high level of security and is therefore ideally suited for locking systems, access control, time recording, payment systems or intelligent systems in public transportation.

## Short description

- PVC material, rigid
- Format 85,6 x 54 mm
- Indoor and outdoor use
- Ambient temperature -25 to +70 degrees
- NXP MIFARE DESFire EV2 4k - 4096 bytes

## Product description

### NFC product

The white NFC card is made of PVC and has a format of 85.6 x 54 mm with a material thickness of 0.86 mm. It has a glossy, smooth surface and fits easily into standard wallet compartments for cards thanks to its typical credit card format. The PVC material of the card is waterproof and is therefore ideal for both indoor and outdoor use.

### NFC chip

The white PVC NFC card is equipped with the original MIFARE DESFire EV2 4k (MF3D42). The chip offers full backward compatibility with 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 security level through new functions (Key Set Rolling), removes the limit for applications and offers a 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 period of 25 years. The chip is certified

according to Common Criteria (EAL5+) and offers 3-DES or AES128-compliant encryption, among other things. The MIFARE DESFire EV2 4k is compatible with all NFC-enabled end devices. Due to the special functions, special hardware (locking system) or software (app) is usually required for use. Please contact us to clarify compatibility with your application.

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

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Do you need higher quantities?

[Contact us](#)

## Product properties

<b>Product number</b>	68837
<b>Weight</b>	6,1 g
<b>Dimensions</b>	85 x 54 mm (W x H)
<b>Frequency</b>	13.56 MHz
<b>Ambient temperature</b>	-25 to 70 degrees
<b>Data transfer rates</b>	212 kbit/s, 106 kbit/s, 848 kbit/s, 424 kbit/s
<b>Material</b>	PVC
<b>Storage temperature</b>	Min -55°C - Max +125°C
<b>Operating temperature</b>	Min -25°C - Max +70°C
<b>Colour category</b>	white
<b>Detail colour</b>	white glossy
<b>Chip standards / ISO Norm</b>	ISO/IEC 14443A, ISO/IEC 7816-4
<b>Product form</b>	rectangular
<b>Functions</b>	7 Byte UID
<b>Material thickness</b>	0,86 mm (T)
<b>Data retention</b>	25 years
<b>Compatibility</b>	to NFC-enabled smartphones: 100%
<b>Chip</b>	MIFARE DESFire EV2
<b>Antenna</b>	Aluminium
<b>Number of write operations</b>	500.000 times
<b>Memory</b>	4096 Byte
<b>Type</b>	Card

<b>Adhesive layer</b>	No
<b>NFC Forum Type</b>	NFC Forum type 4
<b>Water resistance</b>	waterproof (IP67)

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