

Product number: 17080UE1

# NFC card PVC printed on one side - 85,6 x 54 mm - MIFARE DESFire EV2 8k - 8192 Byte - white glossy | printed on one side



## coe-datasheet-sw6.pdf.productInformation

With 8192 bytes, the white PVC NFC card is the product with the highest storage capacity in our range. Its integrated MIFARE DESFire EV2 chipset is very well suited for areas with high security requirements and is therefore often used in industrial areas for access control and locking systems or for payment systems and 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 8k - 8192 bytes
- Printed on one side
- 4-color printable
- Print finish: semi gloss

## 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.

### Print

Our products are printed using a process that offers high resolution, colour accuracy and durability. This makes it possible to display images in photorealistic quality or to print even tiny font sizes legibly. This environmentally friendly technology enables us to personalise your products on one or both sides and

add logos, images, text or other designs from a wide range of colours. The applied colour layer is abrasion-resistant and resistant to water, sunlight and chemicals.

For your desired design, simply download our suitable [print template](#) and provide us with your desired print layout conveniently via our configurator.

## **NFC chip**

The white PVC NFC card is equipped with the original MIFARE DESFire EV2 8k (MF3D82). 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 8k has a total capacity of 8192 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 8k 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: 8192 bytes
- Free memory: -
- Usable memory NDEF: -

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Do you need higher quantities?

[Contact us](#)

## Product properties

Product number	17080UE1
Weight	6,1 g
Dimensions	85 x 54 mm (W x H)
Memory	8192 Byte
Frequency	13.56 MHz
Chip standards / ISO Norm	ISO/IEC 7816-4, ISO/IEC 14443A
Ambient temperature	-25 to 70 degrees
Data transfer rates	212 kbit/s, 106 kbit/s, 848 kbit/s, 424 kbit/s
Material	PVC
Storage temperature	Min -55°C - Max +125°C
Operating temperature	Min -25°C - Max +70°C
Colour category	white
Detail colour	white glossy
Product form	rectangular
Functions	7 Byte UID
Material thickness	0,86 mm (T)
Data retention	25 years
Compatibility	to NFC-enabled smartphones: 100%
Chip	MIFARE DESFire EV2
Antenna	Aluminium
Number of write operations	500.000 times
Type	Card

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

## More images

