

Product number: 68724UE2

# **NFC card PVC printed on both sides - 85,6 x 54 mm - MIFARE DESFire EV1 4K - 4096 Byte - white glossy | printed on both sides**



## **coe-datasheet-sw6.pdf.productInformation**

With the MIFARE DESFire EV1 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 EV1 4k - 4096 bytes
- Printed on both sides
- 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 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 to up to 500,000 times and has a data retention period of 10 years. The chip is certified according to Common Criteria (EAL4+) and offers 3-DES or AES128-compliant encryption, among other things. The MIFARE DESFire EV1 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

Product number	68724UE2
Weight	6,1 g
Dimensions	85 x 54 mm (W x H)
Frequency	13.56 MHz
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
Data retention	10 years
Colour category	white
Detail colour	white glossy
Chip standards / ISO Norm	ISO/IEC 14443A, ISO/IEC 7816-4
Product form	rectangular
Functions	7 Byte UID
Material thickness	0,86 mm (T)
Compatibility	to NFC-enabled smartphones: 100%
Antenna	Aluminium
Number of write operations	500.000 times
Chip	MIFARE DESFire EV1
Memory	4096 Byte
Type	Card

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

## More images

