Product number: 68756R1

NFC card PVC printed on one side - 85,6 x 54 mm - MIFARE DESFire EV2 2k - 2048 Byte - white glossy | printed on one side

Product information

With the MIFARE DESFire EV2 2k 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 2k - 2048 bytes
- Printed on one side
- 4-color printable
- Print finish: glossy

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 enables images to be displayed in photorealistic quality or fonts to be printed legibly. This 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.

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 2k (MF3D22). 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 2k has a total capacity of 2048 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 2k 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.

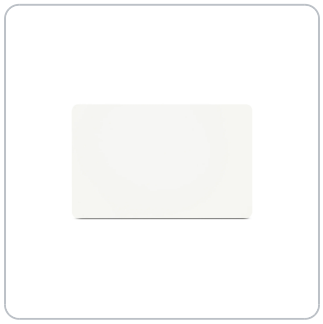
- Total capacity: 2048 bytes
- Free memory: -
- Usable memory NDEF: -

Do you need higher quantities?

Contact us

Product properties

Product number	68756R1
Weight	6,1 g
Dimensions	85 x 54 mm (W x H)
Encryption	AES-128 Encryption
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
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)
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

Water resistance	waterproof (IP67)
Memory	2048 Byte

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