Product number: 68723R1

NFC card PVC printed on one side - 85,6 x 54 mm - MIFARE DESFire EV1 2K - 2048 Byte - white glossy | printed on one side

Product information

With the MIFARE DESFire EV1 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 EV1 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 EV1 2k (MF3ICD21). 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 EV1 2k has a total capacity of 2048 bytes, which can be used by up to 28 applications. The DESFire EV1 2k chip has a 7-byte UID. The NFC chip can be written 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 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	68723R1
Weight	6,1 g
Dimensions	85 x 54 mm (W x H)
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
Data retention	10 years
Colour category	white
Detail colour	white glossy
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
Type	Card
NFC Forum Type	NFC Forum type 4

Water resistance	waterproof (IP67)
Memory	2048 Byte

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