

Product number: 17187R1

NFC card PVC printed on one side - 85,6 x 54 mm - MIFARE DESFire EV3 8k - 8192 bytes - white glossy | printed on one side



Product information

With the MIFARE DESFire EV3 8k 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 EV3 8k - 8192 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 PVC NFC card is equipped with the original MIFARE DESFire EV3 8k (MF3D83). The chip offers full backward compatibility with the MIFARE DESFire EV1 and MIFARE DESFire EV2. 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 EV3 series (MF3Dx3) reflects NXP's efforts to continuously improve the level of security. For example, the chip offers new functions such as a timer for transactions to effectively prevent man-in-the-middle attacks. In addition, it inherits from the NTAG DNA series the ability to add a hash value to NDEF messages.

The MIFARE DESFire EV3 8k has a total capacity of 8192 bytes and has a 7-byte UID. The NFC chip can be written to up to 1,000,000 times and has a data retention period of 25 years. The chip is certified according to Common Criteria (EAL5+) and offers 3DES or AES128-compliant encryption, among other things. The MIFARE DESFire EV3 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: -

Do you need higher quantities?

[Contact us](#)

Product properties

Product number	17187R1
Weight	6,1 g
Dimensions	85 x 54 mm (W x H)
Memory	8192 Byte
Frequency	13.56 MHz
Data transfer rates	106 kbit/s, 848 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
Number of write operations	1.000.000 Mal
Product form	rectangular
Material thickness	0,86 mm (T)
Data retention	25 years
Compatibility	to NFC-enabled smartphones: 100%
Antenna	Aluminium
Chip	MIFRAE DESFire EV3
Type	Card
Adhesive layer	No
NFC Forum Type	NFC Forum type 4

Water resistance

waterproof (IP67)

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