

Product number: 17184

# NFC card PVC - 85,6 x 54 mm - MIFARE DESFire EV1 8k - 8192 bytes - white glossy | without print



## Product information

With the MIFARE DESFire EV1 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 EV1 8k - 8192 bytes

## 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.

### NFC chip

The white PVC NFC card is equipped with the original MIFARE DESFire EV1 8k (MF3ICD81). 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 8k has a total capacity of 8192 bytes, which can be used by up to 28 applications. The DESFire EV1 8k 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. The MIFARE DESFire EV1 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

<b>Product number</b>	17184
<b>Weight</b>	6,1 g
<b>Dimensions</b>	85 x 54 mm (W x H)
<b>Memory</b>	8192 Byte
<b>Frequency</b>	13.56 MHz
<b>Data transfer rates</b>	212 kbit/s, 106 kbit/s, 848 kbit/s, 424 kbit/s
<b>Material</b>	PVC
<b>Storage temperature</b>	Min -55°C - Max +125°C
<b>Operating temperature</b>	Min -25°C - Max +70°C
<b>Data retention</b>	10 years
<b>Colour category</b>	white
<b>Detail colour</b>	white glossy
<b>Chip standards / ISO Norm</b>	ISO/IEC 14443A, ISO/IEC 7816-4
<b>Product form</b>	rectangular
<b>Material thickness</b>	0,86 mm (T)
<b>Compatibility</b>	to NFC-enabled smartphones: 100%
<b>Antenna</b>	Aluminium
<b>Number of write operations</b>	500.000 times
<b>Chip</b>	MIFARE DESFire EV1
<b>Type</b>	Card
<b>Adhesive layer</b>	No
<b>NFC Forum Type</b>	NFC Forum type 4

**Water resistance**

waterproof (IP67)

## More images