Product number: 68719

NFC tag ABS - 40 x 32 mm - MIFARE DESFire EV1 2k - 2048 Byte - black | black



Product information

Due to the integration of the MIFARE DESFire EV1 2k, the robust NFC tag ABS is often used in industry in areas with high security requirements, for example in access control or for locking systems.

Short description

- ABS material, rigid
- Format 40 x 32 mm, oval
- Indoor and outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP MIFARE DESFire Chip EV1 2k

Product description

NFC product

The NFC tag is made of black ABS material and has a size of 40 x 32 mm with a material thickness of 4.3 mm. The NFC tag has a metal ring which makes it easy to attach. Due to the robust plastic material, the ABS tag is waterproof and is therefore ideal for both indoor and outdoor use.

NFC chip

The NFC tag 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, which 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 of 10 years. The chip is certified according to Common Criteria (EAL4+) and offers, among other things, 3-DES or AES128 compliant encryption. The MIFARE DESFire EV1 2k is compatible with all NFC-enabled terminals. Due to the special functions, special hardware (locking system) or software (app) is usually required for use. Please contact us to clarify the compatibility with your application.

- Total capacity: 2048 bytes
- Free memory: -

- Usable memory NDEF: -

Product properties

Product number	68719
Antenna format	22 mm
Dimensions	40 x 32 mm (W x H)
Frequency	13.56 MHz
Available colours	black , blue
Chip standards / ISO Norm	ISO/IEC 7816-4 , ISO/IEC 14443A
Material thickness	3,6 mm (T)
Data transfer rates	212 kbit/s , 106 kbit/s , 848 kbit/s , 424 kbit/s
Storage temperature	Min -55°C - Max +125°C
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Detail colour	black
Weight	4 g
Colour category	black
Functions	7 Byte UID
Material	ABS
Compatibility	to NFC-enabled smartphones: 100%
Water resistance	waterproof
Product form	oval
Antenna	Copper
Type	Keyfob

Chip	MIFARE DESFire EV1
NFC Forum Type	NFC Forum type 4
Memory	2048 Byte

More images





