Product number: 68835

NFC tag ABS - 40 x 32 mm - MIFARE DESFire EV2 4k - 4096 Byte - black | blue



Product information

Due to the integration of the MIFARE DESFire EV2 4k, the robust NFC tag ABS is often used in industry in areas with high security requirements, for example in access control or locking systems.

Short description

- ABS material, rigid
- Format 40 x 32 mm, oval
- Indoor and outdoor use
- Ambient temperature from -25 to +70 degrees
- MIFARE DESFire EV2 4k (MF3D(H)x2)

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 ABS tag is equipped with the original MIFARE DESFire EV2 4k (MF3D 42). The chip offers full backward compatibility to the MIFARE DESFire EV1. 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 EV2 series (MF3Dx2) increases the security level with 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 4k has a total capacity of 4096 bytes and has a 7-byte UID. The NFC chip can be written up to 500,000 times and has a data retention of 25 years. The chip is certified according to Common Criteria (EAL5+) and offers, among other things, 3-DES or AES128 compliant encryption. The MIFARE DESFire EV2 4k 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: 4096 bytes
- Free memory: -
- Usable memory NDEF: -

Product properties

Product number	68835
Antenna format	22 mm
Memory	4096 Byte (NDEF: 3356 Byte)
Dimensions	40 x 32 mm (W x H)
Frequency	13.56 MHz
Available colours	black , blue
Material thickness	4,3 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
Detail colour	blue
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Weight	4 g
Functions	7 Byte UID
Material	ABS
Compatibility	to NFC-enabled smartphones: 100%
Water resistance	waterproof
Product form	oval
Chip	MIFARE DESFire EV2
Colour category	blue
Antenna	Copper
Type	Keyfob

Number of write operations	500.000 times
Delivery options	single
NFC Forum Type	NFC Forum type 4

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