Product number: 68916

NFC tag ABS - 40 x 32 mm - MIFARE DESFire EV1 8k - 8192 byte - blue | blue



Product information

Due to the integration of the MIFARE DESFire EV1 8k, the robust NFC fob 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
- NXP MIFARE DESFire EV1 8k (MF3ICD81) - 8k (7687 Byte)

Product description

NFC product

The NFC tag is made of blue 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 EV1 8k (MF3ICD41). 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 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 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 8k 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: 8192 bytes
- Free memory: -

- Usable memory NDEF: -

Product properties

Product number	68916
Antenna format	22 mm
Dimensions	40 x 32 mm (W x H)
Memory	8192 Byte
Frequency	13.56 MHz
Chip standards / ISO Norm	ISO/IEC 7816-4 , ISO/IEC 14443A
Material thickness	3,6 mm (T)
Available colours	blue
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
Colour category	blue
Antenna	Copper
Type	Keyfob
Number of write operations	500.000 times

Delivery options	single
Chip	MIFARE DESFire EV1
NFC Forum Type	NFC Forum type 4

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