Product number: 17002

NFC Sticker PET Epoxy - On-Metal - 40 x 30 mm - MIFARE Classic EV1 1k - 1024 Byte - white



Product information

The white NFC sticker allows the use of NFC on metallic surfaces and is weather resistant due to its epoxy material, making it ideal for protecting objects or for product identification.

Short description

- PET material, robust, self-adhesive
- Size 40 x 30 mm
- Indoor and outdoor use
- Ambient temperature from -25 to +70 degrees
- NFC Chip MIFARE Classic 1k - 1024 Byte (NDEF: 716 Byte)

Product description

NFC product

The white on-metal sticker has an epoxy layer and is therefore robust and waterproof. An additional layer ensures that the NFC function also works properly on metallic surfaces. The back side has a 3M adhesive layer, which gives the sticker the necessary adhesive strength. The sticker has a format of 40 x 30 mm and a material thickness of 2.15 mm. The NFC microchip is invisibly integrated in the sticker and can withstand temperatures between -25 degrees and 70 degrees. This item is compatible with all NFC-enabled smartphones.

NFC chip

The PET sticker is equipped with the original MIFARE Classic 1k (MF1ICS50). The MIFARE Classic 1k has a total capacity of 1024 bytes (free memory 864 bytes), of which usable memory in the NDEF is 716 bytes. The MIFARE Classic 1k has a 4-byte non-UID. The NFC chip can be written up to 100,000 times and has a data retention of 10 years. Due to the CRYPTO 1 encryption algorithm, the chip offers a certain level of security for the data. From today's point of view, however, the encryption is no longer considered secure, so new applications should be based on the MIFARE DESFire EV1 or newer. The chipset is not compatible with all NFC-enabled smartphones.

- Total capacity: 1024 bytes
- Free memory: 864 byte
- Usable memory NDEF: 716 bytes

Product properties

Product number	17002
Adhesive layer	Yes (3M)
Functions	4 Byte UID , rewritable
Detail colour	white
Frequency	13.56 MHz
Memory	1024 Byte (free: 864 Byte, NDEF: 716 Byte)
Data transfer rates	106 kbit/s
Type	Sticker
Material thickness	0,46 mm (T)
Chip standards / ISO Norm	ISO 14 443-3 A , ISO 14 443-2 A
On-metal	on metal
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Colour category	white
Product form	rectangular
Material	PET
Chip	MIFARE Classic EV1
Refinement	Epoxy
Compatibility	to NFC-enabled smartphones: 100%
Available colours	white
Antenna	Copper

NFC Forum Type	NFC Forum type 2
Delivery options	single
Water resistance	waterproof (IP67)

More images



