Product number: 68914

NFC Sticker PET - 12,5 x 12,5 mm - ICODE SLIX - 128 Byte - white



Product information

With an edge length of 12.5 mm, this sticker can be accommodated in a space-saving manner and, thanks to its integrated ICODE SLIX chip, it is particularly well suited for article surveillance of lending books or media.

Short description

- PET material, flexible, self-adhesive
- Not suitable for metallic/conductive surfaces
- Format: 12.5 x 12.5 mm
- Indoor use, conditionally also outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP ICODE SLIX - 128 Byte (NDEF: 106 Byte)

Product description

NFC product

The surface material of the white NFC sticker is made of PET. The material is therefore conditionally waterproof, so that the sticker can withstand moisture even in moderation. The sticker has a format of 12.5 x 12.5 mm and a material thickness of 0.30 mm. The antenna is easily visible because the sticker is white. The chip set of the sticker is compatible with all common NFC-enabled devices.

NFC chip

The PET sticker is equipped with the original ICODE SLIX (SL2S2002). NXP designed the ICODE SLIX series for use as an intelligent label and optimized it accordingly for small designs and lower data volumes. Other features of the ICODE SLIX include the ability to write-protect the content. In addition, the chip supports the function of electronic article surveillance with password protection (EAS). In combination with the increased range, this makes it possible, for example, to monitor articles and their authorized removal at a gateway (use for lending books and media). The Application Family Identifier (AFI) function enables the chip to inform the reader of the intended use.
The ICODE SLIX has a total capacity of 128 bytes, of which usable memory in the NDEF is 106 bytes. The ICODE SLIX has a unique 8 byte serial number (UID). The NFC chip can be written up to 100,000 times. The ICODE SLIX is characterized on the one hand by a long data lifetime of 50 years (data

retention) and on the other hand by a higher range compared to the NXP NTAG series. In practice, this means that smartphones can read the ICODE SLIX from distances of up to 1-5cm (compare NTAG practically 1-3cm). With appropriate readers (not smartphones) distances of up to 1.5m are possible.

- Total capacity: 128 Byte
- Free memory: 112 Byte
- Usable memory NDEF: 106 Byte

Product properties

Product number	68914
Chip standards / ISO Norm	ISO/IEC 15693 , ISO/IEC 18000-3
Detail colour	white
Frequency	13.56 MHz
Type	Sticker
UID imprint	Yes
Number of write operations	100.000 times
Colour category	white
Dimensions	12,5 x 12,5 mm (B x H)
NFC Forum Type	NFC Forum type 5
Material	PET
Compatibility	to NFC-enabled smartphones: 100%
Weight	1 g
Available colours	white
Chip	I-CODE SLIX
Memory	128 Byte (free: 112 Byte, NDEF: 106 Byte)
Adhesive layer	Yes
Antenna	Aluminium
Product form	square
Data transfer rates	53 kbit/s
Data retention	50 years

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