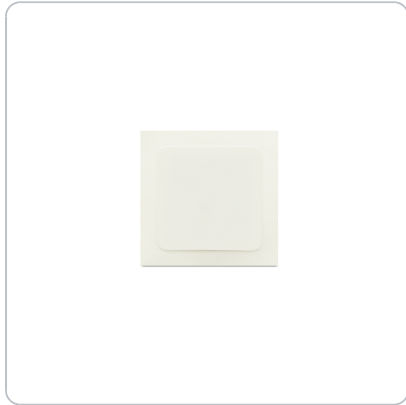


Product number: 68013

NFC Sticker PET - 19 x 19mm - NTAG413 - 160 Byte - white



Product information

The NFC sticker with the integrated NTAG 413 DNA chipset is suitable due to its advanced security features for scenarios where the scan of the NFC tag has to be ensured without an additional app (e.g. lotteries).

Short description

- PET material, flexible, self-adhesive
- not suitable for metallic/conductive surfaces
- Format: 19 x 19mm
- Indoor use, conditionally also outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP NTAG413 (NTAG413) - 160 Byte (NDEF: 121 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 19mm x 19mm and a material thickness of 0.29 mm. The antenna is easily visible from the outside, because the sticker is white. The chipset of the sticker is compatible with all current NFC-enabled smartphones.

NFC chip

The PET Sticker is equipped with the original NXP NTAG413, which brings additional features to enable advanced use cases. To this end, the chipset supports AES-secured content authentication and the Secure Unique Message Feature (SUN) for generating a unique string (HASH) based on a secret key. The generated string can be appended to a stored NDEF URL, for example, and can then be verified on the server side. The basis for this is the previously configured shared secret. The full potential of the chipset can therefore only be exploited with the appropriate infrastructure.

The NTAG413 has a total capacity of 160 bytes (free memory 128 bytes), of which usable memory in the NDEF is 121 bytes. Each individual chip has a unique serial number (UID) consisting of 7 bytes (alphanumeric, 14 characters). The NFC chip can be written up to 200,000 times and has a data retention

of 50 years. Of course, the NTAG413 also has the standard features of the NTAG series in the form of the UID ASCII Mirror Feature, which allows the tag's UID to be appended to the NDEF message, as well as an integrated NFC counter that automatically increments when read. Both of these features, as well as the SUN feature, are not enabled by default. The NTAG413 is compatible with all NFC-enabled smartphones as well as with all ISO14443 terminals.

- Total capacity: 160 bytes
- Free memory: 128 byte
- Usable memory NDEF: 121 byte

Product properties

Product number	68013
Material thickness	0,32 mm (T)
Detail colour	white
Frequency	13.56 MHz
Storage temperature	Min -55°C - Max +125°C
Type	Sticker
Dimensions	19 x 19 mm (W x H)
Chip standards / ISO Norm	ISO 14 443-3 A, ISO 14 443-2 A
Operating temperature	Min -25°C - Max +70°C
Data retention	10 years
Number of write operations	100.000 times
Colour category	white
Memory	160 Byte (free: 128 Byte, NDEF: 121 Byte)
Material	PET
Compatibility	to NFC-enabled smartphones: 100%
Weight	1 g
Available colours	white
Adhesive layer	Yes
Antenna	Aluminium
Product form	square
Chip	NXP NTAG413 DNA
Data transfer rates	424 kbit/s

NFC Forum Type	NFC Forum type 4
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More images

