Product number: 68762

NFC Starter Kit Outdoor - 11 pieces

coe-datasheet-sw6.pdf.productInformation

The NFC tags included in the NFC Starter Kit Outdoor are all ideally suited for outdoor use, making them particularly suitable for getting started with construction site identification.

Short description

- PVC, PPS, rigid
- partly suitable for conductive / metallic surfaces
- Indoor and outdoor use
- ambient temperature from -25 to +70 degrees
- NXP NTAG213 (NTAG213) - 180 Byte (NDEF: 137 Byte)

Product description

NFC product

The PVC on-metal coins as well as the PPS coins are waterproof. An additional layer ensures that the NFC function also works perfectly on metallic surfaces. The reverse side has a 3M adhesive layer, which gives the sticker the necessary adhesive strength. The NFC microchip is invisibly integrated in all products and can withstand temperatures between -25 degrees and 70 degrees. The following products are included in the NFC Starter Kit Outdoor:

- 2 x NFC PVC coin - on-metal - 30 mm - NTAG213 - 180 byte - red
- 2 x NFC PVC coin - on-metal - 30 mm - NTAG213 - 180 byte - yellow
- 2 x NFC PVC coin - on-metal - 30 mm - NTAG213 - 180 byte - white
- 2 x NFC PVC coin - on-metal - 30 mm - NTAG213 - 180 byte - black
- 2 x NFC PPS coin - 30 mm - NTAG213 - 180 byte - black
- 1 x NFC cable tie - NTAG213 - 180 byte - red

NFC chip

The products are equipped with the original NXP NTAG213 and offer a cost-effective entry into the NTAG21x series. The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. The NTAG213 has a total capacity of 180 bytes (free memory 144 bytes), thereof usable memory in the NDEF 137 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 100,000 times and has a data retention of 10 years. The NTAG213 has 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

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that automatically increments during readout. Both features are not enabled by default. The NTAG213 is compatible with all NFC-enabled smartphones, the NFC21 tools and all ISO14443 terminals.

- Total capacity: 180 Byte
- Free memory: 144 Byte
- Usable memory NDEF: 137 Byte

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Product properties

Product number	68762
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte)
Type	Coin (Sticker)
Material	Plastic, PPS, PVC
Available colours	yellow, black, red, white
Further links	starterkit
Frequency	13.56 MHz
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Dimensions	30 mm Ø
Storage temperature	Min -55°C - Max +125°C
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
Product form	round
Compatibility	to NFC-enabled smartphones: 100%
Water resistance	waterproof
NFC Forum Type	NFC Forum type 2

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