Product number: 68963

NFC Heavy ABS - On-Metal - 30 mm - NTAG213 - 180 Byte - black | black



Product information

The NFC Heavy ABS On-Metal Tag is often used in industry due to its water resistance. In addition to a 3M adhesive layer, the product also has a perforation of 5 mm (outer diameter approx. 10 mm). Thus, the NFC Heavy ABS Tag can be glued as well as screwed / riveted. Due to the special on-metal property, the NFC tag can be attached to any metallic / conductive surface.

Short description

- ABS material, rigid
- Format 30 mm, round
- Indoor and outdoor use
- Ambient temperature from -25 to approx. 60 degrees
- NFC Chip NXP NTAG213 (180 Byte, NDEF: 137 Byte)

Product description

NFC product

The round NFC tag is made of black ABS with a diameter of 30 mm and a material thickness of approx. 5.4 mm. Due to the robust plastic material the NFC ABS Tag is waterproof and perfectly suitable for indoor as well as outdoor use.

NFC chip

The NFC Heavy ABS On-Metal Tag is equipped with the original NXP NTAG213 and offers 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 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 bytes

Product properties

Product number	68963
Adhesive layer	Yes (3M)
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte)
Type	Coin (Sticker)
Functions	Write protection , UID ASCII Mirror , 32-bit Password , 24-bit Counter , ASCII Mirror , 7 Byte UID , ECC-based original signature , true anticollision , rewritable
Frequency	13.56 MHz
Available colours	black
On metal layer	0,3 mm
Chip	NXP NTAG213
Data transfer rates	106 kbit/s
Dimensions	30 mm Ø
Sticker thickness	5 mm (+/- 0,05 mm)
Storage temperature	Min -55°C - Max +125°C
Material thickness	5,4 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
Antenna format	23 mm
Number of write operations	100.000 times

Detail colour	black
Carrier layer	30 mm
Colour category	black
Product form	round
Material	ABS
Compatibility	to NFC-enabled smartphones: 100%
Further links	ntag
Antenna	Copper
NFC Forum Type	NFC Forum type 2
Water resistance	waterproof (IP67)

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