

Product number: 68198

NFC Starter Kit Development - 25 pieces



coe-datasheet-sw6.pdf.productInformation

The Starter Kit Development includes a cross section of our most popular products. This starter kit contains exclusively NXP NTAG21x (NTAG213, NTAG215, NTAG216) products, which can be easily written and read with the included reader and our software. With this Starter Kit development we offer the ideal possibility to get to know all possibilities of the NFC technology.

Short description

- PET (stickers), epoxy (tags), ABS (tags), PVC (cards, coins), robust
- Place of use indoor, conditionally outdoor
- Ambient temperature from -25 to +70 degrees
- NXP NTAG213 (NTAG213), NXP NTAG215 (NTAG215), NXP NTAG216 (NTAG216)

Product description

NFC product

Depending on the integrated chipset, the different products are suitable for the respective applications. The NTAG213 is ideal for device control commands, launching apps or even storing URLs. The NTAG215 offers more than double the memory capacity, so products with this chipset can also be used as digital business cards. The NTAG216 has the most memory and thus offers capacity for significantly more commands. The following products are included in the NFC Starter Kit development:

- 2 x NFC sticker PET - 22 mm - NTAG213 - 180 bytes - white
- 2 x NFC sticker PET - 15 x 20 mm - NTAG213 - 180 byte - white
- 4 x NFC sticker PET - 30 mm - NTAG215 - 540 byte - white - with colorful logo
- 1 x NFC sticker PET - 30 mm - NTAG216 - 924 bytes - blue
- 1 x NFC sticker PET - 30 mm - NTAG216 - 924 byte - green
- 4 x NFC Sticker PET Midas - 12 x 19 mm - NTAG213 - 180 byte - transparent
- 1 x NFC tag Epoxy - 30 mm - NTAG213 - 180 byte - red
- 1 x NFC tag ABS - 40 x 32 mm - NTAG213 - 180 byte - blue
- 1 x NFC tag ABS - 40 x 32 mm - NTAG213 - 180 byte - black
- 2 x NFC sticker PET - on-metal - 22 mm - NTAG213 - 180 byte - white
- 1 x NFC coin PVC - on-metal - 30 mm - NTAG213 - 180 byte - red
- 1 x NFC coin PVC - on-metal - 30 mm - NTAG213 - 180 byte - yellow
- 1 x NFC card - 85 x 54 mm - NTAG215 - 540 byte - white

- 1 x NFC card - 85 x 54 mm - NTAG216 - 924 bytes - white
- 1 x NFC wristband silicone - NTAG216 - 924 byte - green
- 1 x NFC Reader / Writer ACR1252U - NFC Forum certified - incl. free software download

NFC chip

The products are equipped with different chipsets of the NXP NTAG21x series.... The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. 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. All chips have the UID ASCII Mirror feature, which can be used to append the tag's UID to the NDEF message, as well as an integrated NFC counter that automatically increments during readout. Both features are not enabled by default. The chips are compatible with all NFC-enabled smartphones, the NFC21 tools and all ISO14443 end devices.

Product properties

Product number	68198
Chip	NXP NTAG216, NXP NTAG215, NXP NTAG213
Dimensions	85 x 54 mm (W x H), 30 mm Ø, 30 x 30 mm (W x H), 22 mm Ø
Memory	180 Byte (free: 144 Byte, NDEF: 137 Byte), 540 Byte (free: 504 Byte, NDEF: 480 Byte), 924 Byte (free: 888 Byte, NDEF: 868 Byte)
Available colours	green, yellow, blue, transparent, red, orange, purple, white
Further links	starterkit
Frequency	13.56 MHz
Water resistance	water-resistant
Data transfer rates	106 kbit/s
Material	PVC, PET
Storage temperature	Min -55°C - Max +125°C
Type	Sticker, Coin, Wristband, Keyfob, Card
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
Compatibility	to NFC-enabled smartphones: 100%

More images

