

Product number: 68548U

# NFC tag ABS - 40 x 32 mm - NTAG215 - 540 byte - black - printed | NXP NTAG215 | black



## Product information

We print our plastic tags using modern digital UV direct printing process, which offers high resolution, color accuracy and durability. This custom printable NFC tag features the waterproof material and its distinct temperature resistance. For your desired design, simply download our matching [print template](#) and provide us with your desired print layout conveniently via our configurator.

## Short description

- ABS material, plastic, rigid
- format: 40 x 32 mm, oval
- printing on one or both sides of the tag
- 4-color printable
- NFC chip: NXP NTAG215 - 540 byte (NDEF: 480 byte)
- **Note:** Key rings are enclosed separately

## Product description

### NFC product

The NFC tag is made of a robust and waterproof ABS material and has a format of 40 x 32 mm with a material thickness of 4.3 mm. Due to its integrated NTAG215 chipset, it is ideally suited for the industrial sector, e.g. for access control on construction sites or for time recording of employees indoors as well as outdoors.

### Print

Our tags are printed using the modern digital UV direct printing process, which offers high resolution, color accuracy and durability. This makes it possible to display images in photo-realistic quality or print tiny font sizes in a legible manner. This environmentally friendly technology allows us to personalize your products on one or both sides, adding logos, images, text or other designs from a wide range of colors. The applied ink layer is abrasion resistant as well as resistant to water, sunlight and chemicals.

**Note:** One-sided printing is included in the product price. There is an additional one-time setup fee for setting up a custom print.

For your individual desired design, please download our matching [print template](#) and provide us with your desired print layout conveniently via our configurator.

## NFC chip

The ABS tag is equipped with the original NXP NTAG215, which occupies the midfield in the NTAG21x series and represents a good compromise between memory size and cost. The NXP NTAG21x series impresses with the greatest possible compatibility, good performance and intelligent additional functions. The NTAG215 has a total capacity of 540 bytes (free memory 504 bytes), of which usable memory in the NDEF is 480 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 NTAG215 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 NTAG215 is compatible with all NFC-enabled smartphones, the NFC21 tools, and all ISO14443 terminals.

- Total capacity: 540 bytes
- Free memory: 504 bytes
- Usable memory NDEF: 480 byte

## Product properties

<b>Product number</b>	68548U
<b>Chip</b>	NXP NTAG215
<b>Antenna format</b>	22 mm
<b>Available colours</b>	dark green, green, grey, black, blue, red, orange, white
<b>Functions</b>	Write protection, UID ASCII Mirror, 32-bit Password, 24-bit Counter, ASCII Mirror, 7 Byte UID, ECC-based original signature, true anticollision, rewritable
<b>Dimensions</b>	40 x 32 mm (W x H)
<b>Frequency</b>	13.56 MHz
<b>Material thickness</b>	4,3 mm (T)
<b>Memory</b>	540 Byte (free: 504 Byte, NDEF: 480 Byte)
<b>Data transfer rates</b>	106 kbit/s
<b>Storage temperature</b>	Min -55°C - Max +125°C
<b>Chip standards / ISO Norm</b>	ISO 14 443-3 A, ISO 14 443-2 A
<b>Operating temperature</b>	Min -25°C - Max +70°C
<b>Data retention</b>	10 years
<b>Number of write operations</b>	100.000 times
<b>Detail colour</b>	black
<b>Weight</b>	4 g
<b>Colour category</b>	black
<b>Material</b>	ABS
<b>Compatibility</b>	to NFC-enabled smartphones: 100%

<b>Product form</b>	oval
<b>Antenna</b>	Copper
<b>NFC Forum Type</b>	NFC Forum type 2
<b>Type</b>	Keyfob
<b>Delivery options</b>	single
<b>Water resistance</b>	waterproof (IP67)

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