

Product number: 68543

# NFC Tag Epoxy - 30 mm - NTAG215 - 540 Byte - blue | blue



## Product information

The encasing epoxy layer not only results in a rugged and waterproof product, but also a high quality looking fob to adorn any keychain. The NTAG215 offers enough storage space to implement many common scenarios. For example, the epoxy fob is popular for employee time tracking or access control.

## Short description

- PVC material with resin layer (epoxy), rigid
- Format 30 mm, round
- Indoor and outdoor use
- Ambient temperature from -25 to +70 degrees
- NXP NTAG 215 (NTAG215) - 540 Byte (NDEF: 480 Byte)

## Product description

### NFC product

The NFC tag is made of blue PVC material covered by an additional resin layer (epoxy) with a diameter of 30 mm and a material thickness of 4 mm. Due to the combination of two materials, the epoxy tag is waterproof and is therefore ideal for indoor and outdoor use. Through the associated loop, the trailer can be attached with ease.

### NFC chip

The Epoxy tag is equipped with the original NXP NTAG215, which occupies the mid-range in the NTAG21x series and is 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 byte
- Free memory: 504 byte
- Usable memory NDEF: 480 byte

## Product properties

<b>Product number</b>	68543
<b>Chip</b>	NXP NTAG215
<b>Material thickness</b>	3,5 mm (T)
<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>Frequency</b>	13.56 MHz
<b>Antenna format</b>	25 mm
<b>Memory</b>	540 Byte (free: 504 Byte, NDEF: 480 Byte)
<b>Dimensions</b>	33,5 x 30 mm (W x H)
<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>Detail colour</b>	blue
<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>Material</b>	PVC + Epoxy
<b>Product form</b>	round
<b>Compatibility</b>	to NFC-enabled smartphones: 100%
<b>Further links</b>	<a href="#">ntag</a>
<b>Weight</b>	3 g

<b>Colour category</b>	blue
<b>Antenna</b>	Copper
<b>NFC Forum Type</b>	NFC Forum type 2
<b>Delivery options</b>	single
<b>Water resistance</b>	waterproof (IP67)

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