

NFC RFID Tag Information Sheets

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20mm NFC TAG NXP NTAG213

Description

A small and thin NFC tag at 20mm, this is suitable for use in laundry, where it can withstand high temperatures during washing, and is completely waterproof. Very durable PPS plastic that can withstand flames and detergent, as well as high temperatures. They have a copper antenna inside to provide a good reading distance, for such a small NFC tag.

Specification

Chip Type	NXP NTAG213
Shape	Round
Size	20mm
Antenna Size	16mm
Total Memory	144
Formatted Memory	137
Operating Frequency	13.56 MHz



Features

- Contactless transmission of data and supply energy
- Operating frequency of 13.56 MHz
- Data transfer of 106 kbit/s
- Data integrity of 16-bit CRC, parity, bit coding, bit counting
- Operating distance up to 100 mm (depending on various parameters as e.g. field strength and antenna geometry)
- 7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)
- UID ASCII mirror for automatic serialization of NDEF messages
- Automatic NFC counter triggered at read command
- NFC counter ASCII mirror for automatic adding the NFC counter value to the NDEF message
- ECC based originality signature
- Fast read command
- True anti-collision
- 50 pF input capacitance



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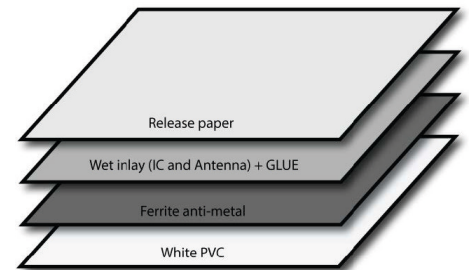
25mm REVERSE On-metal NFC Sticker White PVC - NTAG213

Description

NFC White PVC 25mm Round tags using the latest NXP NTAG213 chip and a protective antimetal layer. Reverse on-metal NFC stickers would normally be placed inside cases, where the antenna is placed against a plastic surface and the on-metal protection is provided against metal or electrical circuits inside. They also now have an even better reading distance of 20mm+ due to the antenna design, and are very thin considering they have the ferrite foil layer.

Specification

Chip Type	NXP NTAG213
Shape	Round
Size	25mm
Antenna Size	23mm
Total Memory	144
Formatted Memory	137
Operating Frequency	13.56MHz



Features

- Contactless transmission of data and supply energy
- Operating frequency of 13.56 MHz
- Data transfer of 106 kbit/s
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25mm Anti-metal NTAG213 NFC RFID

Description

A small and thin NFC tag at 25mm, this is suitable for use in Logistics, Package tracking, Goods management They have a Etched aluminum antenna inside to provide a good reading distance, for such a small NFC tag.

Specification

Chip Type	NXP NTAG213
Shape	Round
Size	25mm
Antenna Size	21mm
Total Memory	144
Formatted Memory	137
Operating Frequency	13.56MHz



Features

Contactless transmission of data and supply energy

Operating frequency of 13.56 MHz

Data transfer of 106 kbit/s

Data integrity of 16-bit CRC, parity, bit coding, bit counting

Operating distance up to 100 mm (depending on various parameters as e.g. field strength and antenna geometry)

7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)

UID ASCII mirror for automatic serialization of NDEF messages

Automatic NFC counter triggered at read command

NFC counter ASCII mirror for automatic adding the NFC counter value to the NDEF message ECC based originality signature

Fast read command

True anti-collision

50 pF input capacitance

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30mm Anti-metal Black ABS NFC Disc Token NTAG213

Description

NFC ANTI METAL 30mm Round Disc/Tokens in black ABS plastic, sticky 3M backing and very thin ferrite layer on the back. These are manufactured for business and used for commercial use very strong and durable as well as having a strong adhesive applied. They also have an excellent reading distance. They are weather proof, waterproof, dust proof and can be placed on Metal surfaces so can be used outside as well as inside. These have a hole in the centre that enables you to screw or nail them to surfaces.

Specification

Chip Type	NXP NTAG213
Shape	Round
Size	30mm
Antenna Size	28mm
Total Memory	144
Formatted Memory	137
Operating Frequency	13.56 MHz



Features

Contactless transmission of data and supply energy

Operating frequency of 13.56 MHz

Data transfer of 106 kbit/s

Data integrity of 16-bit CRC, parity, bit coding, bit counting

Operating distance up to 100 mm (depending on various parameters as e.g. field strength and antenna geometry)

7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)

UID ASCII mirror for automatic serialization of NDEF messages

Automatic NFC counter triggered at read command

NFC counter ASCII mirror for automatic adding the NFC counter value to the NDEF message

ECC based originality signature

Fast read command

True anti-collision

50 pF input capacitance



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34mm Anti-metal Black PA6 NFC Disc NTAG213

Description

ANTI METAL 34mm Round Disc Tokens in black PA6 plastic. These are manufactured for industrial use so they are very strong and durable and conform to the IP68 standard. They also have an excellent reading distance. They are waterproof & dust proof and can be placed on Metal surfaces so they can be used outside as well as inside. They have a hole (4.5mm) in the centre that enables you to screw or nail them to surfaces or pass wires through when attached to heavy mechanical assets. They also have a strong 3M glue on the back.

Specification

Chip Type	NXP NTAG213
Suitable surfaces	All INCLUDING Metal
Shape	Round
Frequency	13.56 Mhz
Dimensions	34mm x 6mm depth
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	30mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG2XX SPECIFICATION



Features

Made of Polyamide 6 (PA6)
IP69K certified
Greater than 3000 meters water/300bar)
Resistant up to 230°C
Anti-metal (works on metal surfaces)
Strong 3M Glue on the back



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28mm White Hard PVC NFC Disc Tag NTAG213

Description

This small and thin NFC tag at 28mm, with strong 3M glue, is suitable for use in Logistics, Package tracking, Goods management They have a Etched aluminum antenna inside to provide a good reading distance, for such a small NFC tag.

Specification

Chip Type	NXP NTAG213
Suitable surfaces	All EXCEPT
Metal	
Shape	Round
Frequency	13.56 Mhz
Dimensions	28mm
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	25mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG2XX



Features

- Contactless transmission of data and supply energy
- Operating frequency of 13.56 MHz
- Data transfer of 106 kbit/s
- Data integrity of 16-bit CRC, parity, bit coding, bit counting
- Operating distance up to 100 mm (depending on various parameters as e.g. field strength and antenna geometry)
- 7-byte serial number (cascade level 2 according to ISO/IEC 14443-3)
- UID ASCII mirror for automatic serialization of NDEF messages
- Automatic NFC counter triggered at read command
- NFC counter ASCII mirror for automatic adding the NFC counter value to the NDEF message
- ECC based originality signature
- Fast read command
- True anti-collision
- 50 pF input capacitance

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38mm Round NFC Sticker with White PVC front - NTAG213

Description

38mm Round Bullseye tags with white PVC front and sticky back. These are manufactured for business and used for commercial marketing so very strong and durable as well as having a strong adhesive applied. These are very popular as the antenna length and bullseye layout have one of the longest reading distances, so ideal for being concealed behind glass/plastic and even double glazing.

Specification

Chip type	NXP NTAG213
Suitable surfaces	All EXCEPT Metal
Shape	Round
Frequency	13.56 Mhz
Dimensions	38mm
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	35mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG2XX



Features

These have many uses but mainly for the back of posters or printed matter in display cabinets. With the PVC backing they are well protected and can be almost invisible. Due to the strong sticky back they can be stuck on any surface, but as with all normal tags, please be aware that these cannot be placed on metal surfaces. If you require a tag to work on a metal surface, please look for our on-metal or anti-metal range.

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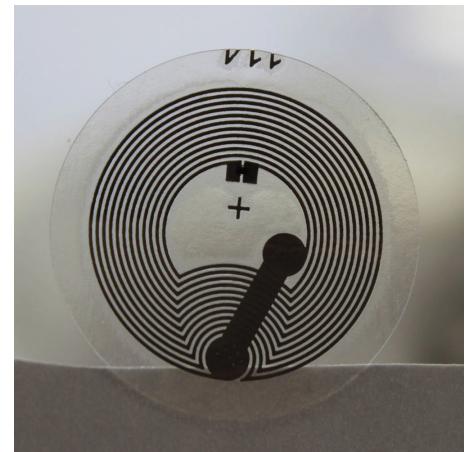
25mm NFC Sticker Clear (Wet Inlay) PET - NTAG213

Description

25mm Clear NFC Sticker with NXP NTAG213 chip

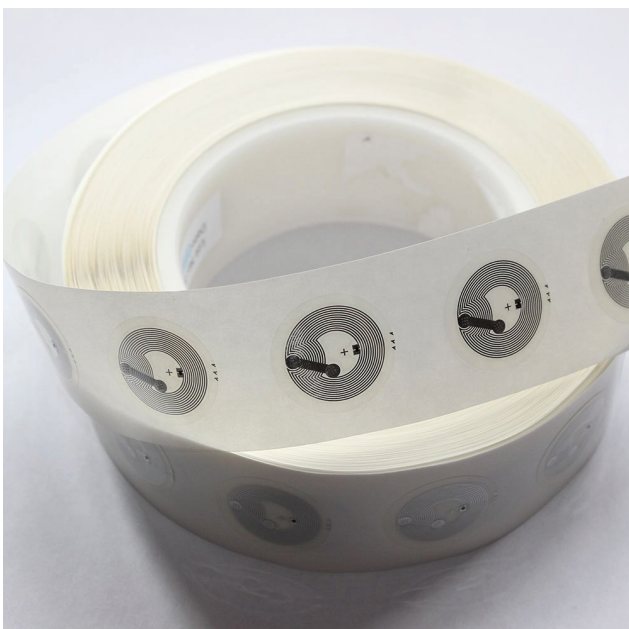
Specification

Chip Type	NXP NTAG213
Suitable surfaces	All EXCEPT
Metal	
Shape	Round
Frequency	13.56 Mhz
Dimensions	25mm
Total Memory (NDEF Formatted)	144
Total Memory (Unformatted)	137
Antenna Size	23mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG2XX



Features

Clear 25mm Round tags using the latest NXP NTAG213 chip with clear PET plastic front and very sticky back. They also have an excellent reading distance due to the antenna design. These are really thin and can be used where they are visible or invisible.



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Tamperproof NFC Sticker 42mm X 26.5mm - NTAG213TT

Description

Our new range of tamperproof NFC stickers. These are rectangle 42mm x 26mm with a White PET plastic protection. These have the NTAG213TT chip in the so are designed to continue working once an item has been opened, but you will be able to receive a notification of whether tampering has taken place. Excellent for securing and validating items using NFC. If the size works for you then these can be used as a normal NFC sticker also.

Specification

Chip Type	NTAG213TT
Suitable surfaces	All EXCEPT Metal
Shape	Rectangle
Frequency	13.56 Mhz
Dimensions	42mm X 26.5mm
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	30mm x 25mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG213TT



Features

NTAG 213 TT offers extended features compared to the NTAG 213 providing additional benefits for smart packaging and brand protection. NTAG 213 TT the new tag tamper functionality which is detecting the status of a tag tamper wire during the startup. In case of an open detection wire, the NTAG 213 TT permanently stores this event. Information status of the tag tamper wire can be mirrored in ASCII code into the user memory which contains the NDEF message or can be read with a dedicated command. Further on the NTAG 213 TT offers the improved originality signature which can be programmed and locked during the tag initialisation

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Black NFC Cable tie ABS Plastic NXP NTAG213

Description

Black NFC cable tie made of very strong ABS plastic. These are smallest cable tie we make and they have the smallest NFC antenna we make so that you can secure smaller items. The strap is 196mm but can be pulled right trough to be come very small indeed. Ideal for asset management or securing assets. These are IP68 certified.

Specification

More Information

Chip Type	NXP NTAG213
Suitable surfaces	All INCLUDING Metal
Shape	Other
Frequency	13.56 Mhz
Dimensions	196mm x 8.5mm x
9mm	
Country of Origin	Taiwan
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	Tiny plug
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A



Features

Due to the small size of this NFC chip the reading distance is around the 1CM range but still readable with mobile phones whcih is amazing for such a small NFC design.



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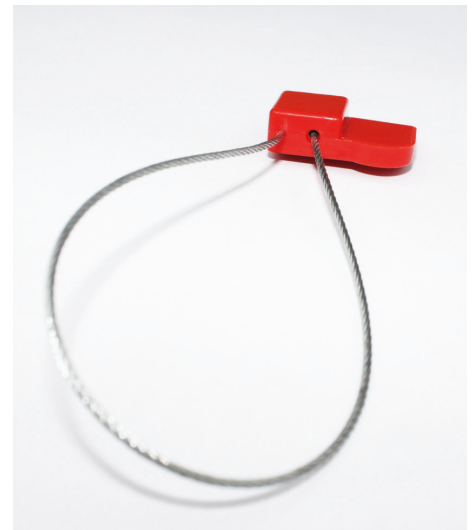
Red asset seal wire tag - NXP NTAG213

Description

Robust NFC tag for use where you wish to attach a tag using a steel wire. These are designed as seal tags in that once the wire is fitted in the the hole and secured it cant be undone. They are waterproof to the level of IP58 and due to NCF chip being housed in ABS plastic they are very strong. The reading distance on these is around 1-2cm so will be very easy to read with a mobile phone.

Specification

Chip Type	NXP NTAG213
Suitable surfaces	All INCLUDING Metal
Shape	Other
Frequency	13.56 Mhz
Dimensions Tag:	35cm x 25mm x 11mm
Dimensions Wire:	280mm x 1.5mm Ø
Total Memory (NDEF Formatted)	137
Total Memory (Unformatted)	144
Antenna Size	23mm X 23mm
NFC Forum Type	Type 2
ISO/IEC Standard	ISO/IEC14443 A
Chip Manufacturer	NXP
NFC Specification	NXP NTAG2XX



Features

Please note that when we manufacture these for clients it is possible to engrave a serial number or simple logo on these items. We with any NFC tag we can also supply these already NFC encoded.

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Cable Tie Tag

Transponder ON METAL
Special Form

PART ID: 2022-XX-XXX-XX

The RFID CABLE TIE TAG 27x20 mm is available as LF, HF, NFC or UHF version and is used to identify devices, machines and equipment by easy mounting method. The RFID CABLE TIE TAG LF, HF, NFC, UHF can be used for On-Metal and Non-Metal applications



Main Specifications

Frequencies	LF HF UHF
Material	Polyamid
Operating Temperature	-40°C to 85°C
IP Class	IP68
Compliance	RoHs & Reach
Key Features	ON-Metal Use, Rough Environment, Durable Housing, High Durability
Options	Laser Engraving, Logo, Color, Other Chips On Request

Full Specifications

Product ID	2022
Name	Cable Tie Tag
On Metal Use	yes
PEAK Performance	yes
Material	Polyamid
Shape	Ultrasonic Welded
Long Description	The RFID CABLE TIE TAG 27x20 mm is available as LF, HF, NFC or UHF version and is used to identify devices, machines and equipment by easy mounting method. The RFID CABLE TIE TAG LF, HF, NFC, UHF can be used for On-Metal and Non-Metal applications
Key Features	ON-Metal Use, Rough Environment, Durable Housing, High Durability
Options	Laser Engraving, Logo, Color, Other Chips On Request
Main Use	Asset Tracking

Article Type	Special Form
Length [mm]	27
Width [mm]	20.4
Hole	yes
Operating Temp °C (min)	-40
Operating Temp °C (max)	85
Storage Temp °C (min)	-40
Storage Temp °C (max)	85
IP Class	IP68
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Attachment Method	Cable tie
Compliance	RoHs & Reach

VARIANTS AND ICS

Color	Yellow Blue Green Black
LF	EM4200/Unique
HF	ICODE SLIX 2
UHF	Higgs 3



RFID READER

The MultiPEN

The MultiPEN is an innovative RFID/NFC handheld reader that enables UIDs of passive RFID TAGs to be read with different frequency range combinations.

The MultiPEN makes it possible to transfer read UIDs via Bluetooth to a host computer (tablet, laptop or smartphone).

The read UIDs can also be transferred / read into the database of the device memory and transferred to the host computer later via Bluetooth or USB connection. Since a real-time clock is integrated, date and time can be automatically assigned to the read UID.

The MultiPEN makes it easier for users to work and makes RFID/NFC applications in maintenance, inventory, guard control systems and logistics processes efficient due to its simple handling.

RFID/NFC TAGs that are mounted close to each other or in places that are difficult to access can be easily identified due to the small size of the MultiPEN's reading tip



LF HF UHF

Specifications

Dimensions	190 mm * 30 mm * 35 mm
Reading Mode	Read&Write
Reading Range	1...3
IP Class	IP64
Power Supply	USB
Display Size	4 Row
Key Features	HID/SPP BT Interface • Real-Time Clock • OLED Display • Vibration Feedback • Triple Frequency



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