

# AD Maxdura<sup>®</sup> NFC Dongle

## Overview

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**Frequency Band**  
NFC 13.56 MHz

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**Chip**  
NXP NTAG213

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**Hard Tag Dimension**  
Ø 30 mm / 1.18 in

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**International Standard**  
ISO 14443A

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**Industry Segments**  
Animal Identification  
Industrial Applications

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**Applications**  
NFC  
Animal Identification  
Asset Tracking

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**RoHS**  
EU Directive 2011/65/EC and  
Directive (EU) 2015/863

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**REACH**  
Regulation (EC) No. 1907/2006



## Enhanced tracking and tracing

AD Maxdura<sup>®</sup> NFC Dongle uses NFC to offer next-level asset tracking for applications ranging from animal ID to inventory control. Its NXP NTAG213 IC with 144 bytes of user memory allows owners to encode extra information onto the tag.

The dongle is also perfectly suited to animal ID. In this context, it can facilitate a lost animal's return: If the animal's location is shared to its registration database when scanning a tag's QR code or NFC chip with a smartphone or reader, the owner can locate the animal on a map. The NFC IC can also encode extra information such as medication, vaccination or dietary needs, which can be helpful when lost animals are found by a third party.

In industrial or commercial settings, a URL stored on the chip can link any NFC-enabled smartphone to further information. This can be a user guide, warranty, supplier homepage, process tutorials or other end-user information. NFC communication also supports access control and asset management applications.

NFC compatibility allows the tag to be read by any NFC-enabled smartphone, and its combination with a QR code offers several identification options. Both the NFC IC and QR code can contain a URL for further information.

AD Maxdura<sup>®</sup> NFC Dongle uses NXP's NTAG213 NFC IC, as well as many security features including 32-bit password protection to prevent unauthorized memory operations.

The NTAG213 IC complies fully with NFC Forum Tag 2 Type specifications, ISO/IEC 14443-3, and the NFC Data Exchange Format standard.



## Technical features

Chip	NXP NTAG213
User Memory	144-bytes
Total Memory	1152-bit
Product Code	300xxxx (TBA)
Hard Tag Dimension	Ø 30 mm / 1.18 in
Total Thickness	3.60 mm / 0.14 in
Housing Material	Plastic PA6
Color	Black
Quantity / Box	1,000 pcs/box
Operating Temperature	-25 °C to 70 °C / -13 °F to 158 °F
Certificates	IP68



### Contact information

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**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

**Applications:** This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

