



AcuTag Sticker MDM NFC White

Developed to add great possibilities of identification for devices of common use, allowing innovative and instant services at an accessible cost. Following the specifications of the NFC Type 2 Forum of Confidex, the tags were projected for multiple uses, from authentication and communication applications to industrial applications.

Purchase Code: 500.605

• Features

Due to being a label, for a more effective performance, it is more viable to use the AcuTag Sticker MDM NFC White in non-metallic surfaces, however this usage may be both internal or external. The AcuTag MDM NFC White already comes with adhesive glue to be applied somewhere. It follows the ISO 14443 type A standard, with a configuration of 144 bytes of user memory, operating in a frequency of 13,56 MHz, also being compatible with the Acumifare readers line. A discreet proximity tag with good reading performance. It allows for personalization in its pre-codification, art printing and also visual data.

• Advantages

- For its discretion, is recommended for several applications, from authentications and communications to industrial ones;
- Offers more security in data transmission, due to its triple cryptography;
- Compatible with NFC and Mifare readers.

• Technical Specifications

Electric Specifications

Type	NFC Forum Type 2
Protocol	ISO 14443A
Operational Frequency	13.56 MHz
Chip	NXP NTAG203 Infineon my-d move NFC
Memory configurations	NTAG203: 144 Bytes user memory my-d move NFC: 128 Bytes user memory
Read range*	Cell phones: 45 mm Fixed reader: 90 mm
Applicable surfaces*	Non-metallic surfaces

Environment resistance**

Operational temperature	-20°C to +60°C
Storage temperature	-20°C to +60°C
Water resistance	Good, tested for 5 hours in water 1 m deep (IP68)
Chemical resistance	No physical or performance changes in: - 168h Salt water (salinity 10%) exposure - 168h Sulfuric acid (10%, pH 2) exposure - 168h Motor oil exposure - 2h NaOH (10%, pH 13) exposure - 2h Acetone exposure

Storage conditions 1 year in +20°C / 50% RH (shelf life for adhesive)

Expected lifetime Several years, in normal operating conditions

Mechanical Specification**

Tag materials	Printable white synthetic face layer, resin ribbon recommended.
Background adhesive	Permanent adhesive for general purpose use.
Weight	0.2 g
Quantity per reel	2000 pcs
Reel size	57.15 mm
Reel core inner diameter	76 mm
Dimensions	40 x 35 x 0.2 mm

* Read ranges are measured in laboratory environment and there can be some variation in real application. Also used surface material and IC type might affect the read range.

** Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact ACURA Global for more specific information.

