



ID-Safe-A616-NTAG® 424 DNA

NFC Inlay and Label

IC Speciality

The ID-Safe-A616-NTAG® 424 DNA is a versatile security solution for pharma, healthcare, retail, food & beverage, electronics, and smart packaging. It overcomes the difficulty digitizing physical products by leveraging the advanced NXP NTAG® 424 DNA chip, featuring AES-128 cryptography and Secure Unique NFC (SUN) messaging.

Designed as a tamper-proof innovation, the tag irreversibly destroys itself upon any removal attempt. This physical security natively combats critical industry threats, including counterfeiting and gray market diversion, warranty fraud and returns abuse, brand trust erosion, and consumer safety risks.

Establishing strong digital trust, the tag proves that security meets scalability. It provides real-time authentication anywhere with any standard smartphone—no app required. By guaranteeing both digital security and physical item integrity, the ID-Safe-A616-NTAG®424DNA streamlines secure supply chain traceability, ultimately enabling compliance & consumer confidence.

Key Features

- **Tamper-Proof Innovation:** The tag irreversibly self-destructs upon removal, instantly neutralizing **warranty fraud** and returns abuse and mitigating **consumer safety risks**.
- **Dynamic Security:** Powered by the NTAG® 424 DNA chip (AES-128/SUN), it delivers app-free **authentication anywhere** to solve the **difficulty digitizing physical products**.
- **Data Privacy:** On-chip features like Random ID prevent unauthorized tracking, reversing **brand trust erosion** and **enabling compliance & consumer confidence**.
- **Mass-Market Integration:** Proving **security meets scalability**, it builds unshakeable **digital trust** across smart packaging to combat **counterfeiting and gray market diversion**.
- Available as **dry inlay, wet inlay, or label**

Frequency

- NFC 13.56 MHz

Antenna Dimensions

- 32 x 15 mm

Chip

- NXP NTAG® 424 DNA

International Standards

- NFC Forum Type 4 Tag
- ISO/IEC 14443A

Industries

- Pharma and Healthcare
- Retail and Consumer Goods
- Food and Beverage
- Consumer Electronics

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<https://identiv.com/product-finder/>

Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	9001172	9001173	9001174
Manufacturing Part Number	I00XXXNE0321	I00PADNE0321	L15XADNE0321
IC	NXP NTAG® 424 DNA	NXP NTAG® 424 DNA	NXP NTAG® 424 DNA
User Memory	416 bytes	416 bytes	416 bytes
Antenna Dimension	32 x 15 mm	32 x 15 mm	32 x 15 mm
Tag Dimensions	32 x 15 mm	38 x 18 mm	38 x 18 mm
ISO/IEC Norm	ISO/IEC 14443-A	ISO/IEC 14443-A	ISO/IEC 14443-A
Frequency	13.56 MHz	13.56 MHz	13.56 MHz
Face Material	-	Clear PET	White PET
Thickness	~200 µm	~285 µm	~295 µm
Pitch	48 mm	48 mm	48 mm
Web Width	30 mm	30 mm	30 mm
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH	-20°C ~ 70°C (-4°F ~ 158°F), at <60%RH
Storage Information	2 years under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH	1 year under desiccated condition; 10°C ~ 25°C (50°F ~ 77°F), ≤ 60% RH

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Care and handling: To minimize static charge and environmental impact, it's crucial to adhere to standard industry practices related to electronics and RFID when handling RFID inlays, as they are sensitive to ESD.

Application: To ensure that this product meets specific requirements, customers/users must thoroughly test it under end-use conditions. Identiv does not claim that the product is suitable for any particular purpose or use. Additionally, Identiv retains the right to modify, supplement, change, or discontinue product offerings at any time without prior notice. While the information presented here is believed to be reliable, Identiv does not guarantee the accuracy or correctness of the data.

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