



## ID-Safe-A680-NTAG® 424 DNA

NFC Inlay and Label

### IC Speciality

The ID-Safe-A680-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-A680-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

- Ø 25 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

Explore all of Identiv's products at:  
<https://identiv.com/product-finder/>

## Specifications

Format	Dry Inlay	Wet Inlay	Label
Product Part Number	9001181	9001182	9001183
Manufacturing Part Number	I00XXXNE9B25	I00PADNE9B25	L15XADNE9B25
IC	NXP NTAG® 424 DNA	NXP NTAG® 424 DNA	NXP NTAG® 424 DNA
User Memory	416 bytes	416 bytes	416 bytes
Antenna Dimension	Ø 25 mm	Ø 25 mm	Ø 25 mm
Tag Dimensions	Ø 25 mm	Ø 28 mm	Ø 28 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	~ 300 µm
Pitch	35 mm	35 mm	35 mm
Web Width	33.75 mm	33.75 mm	33.75 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

**Contact Information:** [sales@identiv.com](mailto:sales@identiv.com)

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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