



ID-Safe-A680-ST25TN

NFC Inlay and Label

IC Speciality

The ID-Safe-A680-ST25TN 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 universally compatible STMicroelectronics ST25TN01K chip, featuring dynamic Augmented NDEF and the built-in TruST25™ digital signature. Designed as a true 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 by offering a highly cost-effective path to mass-market serialization. It provides fast, app-free identification and seamless customer engagement with any standard smartphone. By guaranteeing universal digital connectivity and physical item integrity, the ID-Safe-A680-ST25TN streamlines 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**.
- **Universal Connectivity:** Powered by the globally standardized ST25TN01K chip (Augmented NDEF, 1-kbit memory), it delivers **app-free identification and customer engagement** to solve the **difficulty digitizing physical products**.
- **Cost-Effective Security:** Leveraging the TruST25™ digital signature and password protection reverses **brand trust erosion** and ensures **enabling compliance & consumer confidence**.
- **Mass-Market Integration:** Proving **security meets scalability**, this flexible solution 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

- ST ST25TN01K

International Standards

- NFC Forum Type 2 Tag
- ISO/IEC 14443

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	9001181	9001182	9001183
Manufacturing Part Number	I00XXXTW9B25	I00PADTW9B25	L15XADTW9B25
IC	ST ST25TN01K	ST ST25TN01K	ST ST25TN01K
User Memory	Up to 208 bytes	Up to 208 bytes	Up to 208 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	ISO/IEC 14443	ISO/IEC 14443
Frequency	13.56 MHz	13.56 MHz	13.56 MHz
Face Material	-		White PET
Thickness	~ 200 µm	~ 285 µm	~ 295 µm
Pitch	35mm	35mm	35mm
Web Width	33.75mm	33.75mm	33.75mm
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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