



ID-TOM®-A794-424DNA

HF/NFC Inlay and Label

IC Speciality

The ID-TOM®-A794-424DNA by Identiv serves as an all-encompassing solution for on-metal applications, ideally suited for industrial settings where advanced security is paramount. Utilizing the secure NXP NTAG424 DNA chip, this multi-purpose tag is specifically engineered for a range of secure Internet of Things (IoT) and Near Field Communication (NFC) applications, such as anti-counterfeiting, document authentication, and secure supply chain traceability. Remarkably advanced, the tag leverages native security mechanisms within the attack-resistant certified chip to offer a new echelon of secure product authentication.

Additionally, the ID-TOM®-A794-424DNA is compatible with all NFC devices, providing real-time authentication and enhanced privacy features, thereby extending its applicability to a broad spectrum of use cases, from trusted customer engagement to loyalty programs.

Key Features

- Designed for secure IoT applications on metal surfaces, offering **advanced anti-counterfeiting** measures for brand protection, reliable **supply chain traceability**, and **secure customer engagement**
- Provides distinct data authentication with each tap, leveraging **five customizable AES keys** for **sophisticated cryptographic functions**, including CMAC with optional data encryption, SUN for secure authentication, mutual authentication, and protected access to NDEF and additional data files
- Features IC NXP NTAG 424 DNA, which is hardware-certified to meet **Common Criteria® EAL4 standards** for both hardware and software
- Available as **wet inlay** or **label**

Frequency

- NFC 13.56 MHz

Tag Dimensions

- Ø 28 mm

Chip

- NXP NTAG®424 DNA

International Standards

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

Industries

- Electronics
- Industrial
- Medical and pharma

Applications

- Advanced anti-counterfeiting
- Asset and document tracking
- On-metal NFC application
- Secure authentication

Specifications

Format	Wet Inlay	Label
Product Part Number	4001002	4001003
Manufacturing Part Number	I00FADNE9E25	L15FADNE9E25
IC	NXP NTAG 424 DNA	NXP NTAG 424 DNA
User Memory	416 bytes	416 bytes
Antenna Dimension	Ø 25 mm	Ø 25 mm
Tag Dimensions	Ø 28 mm	Ø 28 mm
ISO/IEC Norm	ISO/IEC 14443-A	ISO/IEC 14443-A
Frequency	13.56 MHz	13.56 MHz
Face Material	N/A	White PET
Thickness	640 µm	660 µm
Pitch	35 mm	35 mm
Web Width	34 mm	34 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
Storage Information	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

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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