



IDENTIV

ID-TOM®-A312-424DNA HF/NFC Inlay and Label

IC Speciality

The ID-TOM®-A312-424DNA 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®-A312-424DNA 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

- For use in secure IoT applications, including **advanced anti-counterfeiting** for brand protection, **document authentication, secure supply chain traceability**, **authorized data access**, and **trusted customer engagement**
- Unique data authentication upon every tap, using **5 customer-defined AES keys** for **advanced cryptographic functionalities**, including CMAC with optional encrypted data, SUN for secure authentication, mutual authentication, and secure access to NDEF and extra data files
- IC NXP NTAG 424 DNA is hardware-certified against **Common Criteria® EAL4 for hardware and software**.
- Available as **wet inlay**, or **label**

Frequency

- NFC 13.56 MHz

Tag Dimensions

- Ø 38 mm

Chip

- NXP NTAG®424 DNA

International Standards

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

Industries

- Electronics
- Industrial
- Multi-media & document management
- Medical and pharma

Applications

- Advanced Anti-Counterfeiting
- Asset & document tracking

Specifications

Format	Wet Inlay	Label
Product Part Number	4001009	4001011
Manufacturing Part Number	I00FADNE9034	L15FADNE9034
IC	NXP NTAG 424 DNA	NXP NTAG 424 DNA
User Memory	416 bytes	416 bytes
Antenna Dimension	Ø 34 mm	Ø 34 mm
Tag Dimensions	Ø 38 mm	Ø 38 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	~ 520 µm	~ 590 µm
Pitch	48 mm	48 mm
Web Width	48 mm	48 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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