



ID-TOM®-A421-ICODE SLIX2

HF/NFC Inlay and Label

IC Speciality

The cutting-edge technology of Identiv's ID-TOM®-A421-ICODE SLIX2 design, equipped with NXP ICODE SLIX2 IC, offers an array of features and benefits. Its user memory, measuring 2.5 kbit, is noteworthy as it provides ample storage for essential data. Additionally, the IC showcases the NXP originality signature and an intelligent anti-collision function that permits multiple tags to operate simultaneously. It enhances the speed of inventory management with a speed of up to 53 kbit/s and can read up to 1.5 m. Moreover, it ensures better performance in a variety of conditions with increased robustness against detuning effects. The IC ensures security and privacy with a unique UID identifier, password-protected memory management system, and a privacy mode to safeguard customers' personal information. Overall, the ID-TOM®-A421-ICODE SLIX2 enhances performance, security, and privacy across various on-metal applications.

Key Features

- Several tags can operate simultaneously without corruption due to **anti-collision function**
- Tags can be irreversibly destroyed with **32-bit password** (i.e., DESTROY SLIX2 command)
- Last block of user memory provides special **16-bit counter feature** (i.e., counter increases by one with WRITE command, is protected by READ, and resets to initial value with WRITE)
- Available as **wet inlay**, and **label**

Frequency

- HF 13.56 MHz

Tag Dimensions

- 50 x 50 mm

Chip

- NXP ICODE SLIX2

International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693

Industries

- Industrial
- Pharma and healthcare
- Retail

Applications

- Asset & Document Tracking
- Authentication
- On-Metal Purpose NFC application

Specifications

Format	Wet Inlay	Label
Product Part Number	4001016	4001017
Manufacturing Part Number	I00FADID0470	LZ2FADID0470
Chip	NXP ICODE SLIX2	NXP ICODE SLIX2
User Memory	2528 bit	2528 bit
Antenna Dimension	47 x 47 mm	47 x 47 mm
Tag Dimensions	50 x 50 mm	50 x 50 mm
ISO/IEC Norm	ISO/IEC 15693	ISO/IEC 15693
Frequency	13.56 MHz	13.56 MHz
Face Material	N/A	White PET
Thickness	~ 520 µm	~ 590 µm
Pitch	55 mm	55 mm
Web Width	56 mm	56 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

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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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