



# ID-A331-ICODE SLIX2

## HF/NFC Inlay and Label

### IC Speciality

The cutting-edge technology of Identiv's ID-A331-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 ICODE SLIX2 IC is an innovative technology that enhances performance, security, and privacy across various 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 **dry inlay, wet inlay, and label**

#### Frequency

- HF 13.56 MHz

#### Antenna Dimensions

- 76 x 45 mm

#### Chip

- NXP ICODE SLIX2

#### International Standards

- NFC Forum Type 5 Tag
- ISO/IEC 15693

#### Industries

- Library
- Pharma and healthcare
- Retail

#### Applications

- Authentication
- General purpose NFC applications
- Secure authentication
- Smart posters

## Specifications

| Format                    | Dry Inlay   | Wet Inlay  | Label  |
|---------------------------|---|--|--|
| Product Part Number       | 9001041   | 9001042  | 9001043  |
| Manufacturing Part Number | I00XXID076K   | I00PADID076K   | L29XADID076K   |
| Chip                      | NXP ICODE SLIX2   | NXP ICODE SLIX2  | NXP ICODE SLIX2  |
| User Memory               | 2528 bit  | 2528 bit   | 2528 bit   |
| Antenna Dimension         | 76 x 45 mm  | 76 x 45 mm   | 76 x 45 mm   |
| Tag Dimensions            | 76 x 45 mm  | 80 x 50 mm   | 80 x 50 mm   |
| ISO/IEC Norm              | ISO/IEC 15693   | ISO/IEC 15693  | ISO/IEC 15693  |
| Frequency                 | 13.56 MHz   | 13.56 MHz  | 13.56 MHz  |
| Face Material             | -   | Clear PET  | Matte Coated Paper<br>(Thermal transfer printable)                     |
| Thickness                 | ~ 190 µm  | ~ 285 µm   | ~ 290 µm   |
| Pitch                     | 85 mm   | 85 mm  | 85 mm  |
| Web Width                 | 56 mm   | 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                                 | -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

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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