RFID Library Credentials

Full Range of Library Tags for the Education Industry

- **COMPATIBLE**
  - Full compatibility with existing infrastructures

- **GLOBAL SOLUTION**
  - Usable by major libraries worldwide

- **TESTED**
  - Quality label with 100% testing

- **CUSTOMIZABLE**
  - Comprehensive set of options available for customization (i.e., barcode, printing, or encoding)

Library Credentials

Identiv’s RFID Library Credentials are labels (or tags) that are widely used for automatic data capture in library applications (i.e., academic, public, corporate, and other special applications). RFID technology provides an enhanced user experience for library applications and in related industries that require item tracking. Typical applications include:

- Self check-in/check-out
- RFID gate
- Library article return (i.e., book, CD, or DVD)
- Inventory management
- Product sorting
- Theft prevention
- Queue busting

Identiv’s labels feature proven antenna designs, quality materials and production processes, and set the highest benchmark for quality and performance in the library industry. Used by leading libraries, VARs (Value Added Resellers), and system integrators across the world, these labels set new industry standards in RFID engineering. These 13.56 MHz frequency labels are fully aligned with industry standard ISO/IEC 15693, 18000-3, and 28560, which defines the basis for the RFID transmission parameters and specifies the model for RFID tags required by all types of libraries.

Identiv’s library products include solutions tailored to meet the specific rigorous requirements of an RFID-equipped library. These labels are available in various formats, including books, spines, CDs, ID cards, or metal asset tags, and are backed by a full set of customization features, such as logo printing, barcode printing, chip personalization, and more.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>PART NUMBER</th>
<th>APPLICATION</th>
<th>IC</th>
<th>DIE CUT AND ANTENNA SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L29XADIA0470</td>
<td>Book Label (Square)</td>
<td>NXP ICODE SLIX*</td>
<td>50 x 50 mm (2 x 2 in) 47 x 47 mm (1.85 x 1.85 in)</td>
</tr>
<tr>
<td></td>
<td>L29XADIA076K</td>
<td>Book Label (Rectangle)</td>
<td>NXP ICODE SLIX*</td>
<td>80 x 50 mm (3 x 2 in) 76 x 45 mm (3 x 1.77 in)</td>
</tr>
<tr>
<td></td>
<td>L23XADIA9134</td>
<td>CD Label</td>
<td>NXP ICODE SLIX*</td>
<td>Outer Diameter: 42 mm (1.65 in) Inner Diameter: 16 mm (0.63 in) 34 mm (1.34 in)</td>
</tr>
<tr>
<td></td>
<td>I00PADIA9118</td>
<td>DVD Label</td>
<td>NXP ICODE SLIX*</td>
<td>Outer Diameter: 116 mm (4.57 in) Inner Diameter: 41 mm (1.61 in) 110 mm (4.33 in)</td>
</tr>
<tr>
<td></td>
<td>L15FADIJ1801</td>
<td>Tablet Label (with metallic backing)</td>
<td>NXP ICODE SLIX*</td>
<td>180 x 140 mm (7.1 x 5.5 in)</td>
</tr>
</tbody>
</table>

* Other chips available on demand (i.e., other NXP chips, EM Microelectronic, Infineon, ST Microelectronics, etc.)
### Product Features

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>DESCRIPTION</th>
</tr>
</thead>
</table>
| Base Material                 | • White matte paper (thermal transfer printable)  
• Aluminium-etched antenna (also available in copper antenna option for greater reading distance)  
• Specialized substrate for various applications  
• Optional ISO 9706 paper, high gloss paper, PET, PP, or specialized label materials for specific applications  
• Optional copper antenna |
| Adhesive and Liner            | Acrylic adhesive on release paper liner                                                                                                                                                              |
| Chip Memory                   | NXP ICODE SLIX SL2S2002 with 1024 bits memory/896 bits user memory                                                                                                                                   |
| Delivery Form                 | • Book Tags (50 x 50 and 80 x 50): Label face-out on unwinding direction/Roll size respectively and approximately 2000u and 1500u  
• CD Tag: Label face-in unwinding direction/Roll size 2,000u  
• DVD Tag: Label face-in unwinding direction/Roll size 1,000u  
• TOM Tablet Tag: Cingulated/50u per box |
| AFI (Application Family Identifier) | For multi-application support and/or check-in/check-out library item control  
Usable in plain mode or 32-bit password protected |
| EAS (Electronic Article Surveillance) Mode | On-board feature to prevent shoplifting or pilferage of books, CDs, or DVDs from libraries  
Usable in plain mode or 32-bit password protected |
| Product Thickness             | • Book Tags: 0.32 mm (12.6 mil)  
• CD Tag: 0.35 mm (13.8 mil)  
• DVD Tag: 0.38 mm (15 mil)  
• TOM Tablet Tag: 1.3 mm (51 mil) |
| ESD                           | +2KV maximum peak, human body model (HBM) accordingly to chip specification                                                                                                                                 |
| Product Quality               | Electrical inspection on 100% of units                                                                                                                                                               |
| Product Options               | • Colored label surface  
• Printed artwork  
• Barcode (single or dual)  
• Chip encoding with static or dynamic information |
| Operation Temperature         | -20° to 70°C (-4° to 158°F) at <60% RH (according to and limited by chip specification)                                                                                                           |
| Storage Life                  | One year under desiccated condition, 10° to 25°C (50° to 77°F) ≤60% RH                                                                                                                            |
| Reliability                   | Thermal Cycle Test: 100 cycles under -55° to 85°C (-67° to 185°F) 15 mins dwell  
Thermal Humidity Test: 168 hours under 85°C (185°F), 85% RH |

Identiv, Inc. (NASDAQ: INVE) is the leading global player in physical security and secure identification. Identiv’s products, software, systems, and services address the markets for physical and logical access control and a wide range of RFID-enabled applications. Customers in the government, enterprise, consumer, education, healthcare, and transportation sectors rely on Identiv’s access and identification solutions. Identiv’s mission is to secure the connected physical world: from perimeter to desktop access, and from the world of physical things to the Internet of Everything.

Identiv has offices worldwide. Addresses and phone numbers are listed at identiv.com/contact. For more information, visit identiv.com or email sales@identiv.com.

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