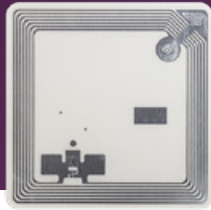


RFID Library Labels

Full Range of Tags for the Education Industry



RFID labels are widely used for automatic data capture in library applications.

Radio frequency identification (RFID) technology provides an enhanced user experience for library applications (i.e., academic, public, corporate, and more) and in related industries that require item tracking. 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.

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. The 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.

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)

Typical Applications

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

RFID Library Labels

Parameter	Details
Base Material	<ul style="list-style-type: none"> • 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 SLIX2 AL2S2602 with 2560 bits EEPROM Memory size / 2528 bits User Memory Size
Delivery Form	<ul style="list-style-type: none"> • 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
AFI (Application Family Identifier)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Book Tags: 0.32 mm (12.6 mil) • CD Tag: 0.35 mm (13.8 mil) • DVD Tag: 0.38 mm (15 mil)
ESD	≤ ±2kV maximum peak, human body model (HBM), according to IC specification
Product Quality	Electrical inspection on 100% of units
Product Options	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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

Book Label (Square) L29XADID0470	Book Label (Rectangle) L29XADID076K	CD Label L29XADID9L34	DVD Label I00PADID9118
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NXP ICODE SLIX2*	NXP ICODE SLIX2*	NXP ICODE SLIX2*	NXP ICODE SLIX2*
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Die Cut and Antenna Size

50 x 50 mm (2 x 2 in) Aluminium Antenna: 47 x 47 mm (1.85 x 1.85 in)	80 x 50 mm (3 x 2 in) Aluminium Antenna: 76 x 45 mm (3 x 1.77 in)	Outer Diameter: 42 mm (1.65 in) Inner diameter: 16 mm (0.63 in) Aluminium Antenna: 34 mm (1.34 in)	Outer Diameter: 116 mm (4.57 in) Inner Diameter: 41 mm (1.61 in) Aluminium Antenna: 110 mm (4.33 in)
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