

# RFID Adhesive-Closure Wristbands



If you're handling a concert or other event with lines of people awaiting access, use RFID wristbands to quickly and efficiently manage crowd entry. The wristbands feature an RFID inlay to grant access with ease. More effective and time-saving than traditional ticket systems, each wristband features a durable adhesive-closure. This adhesive-closure eliminates the ease of tampering and removal. Using RFID wristbands gives you all-access to successful event management.

Bring company logos or advertising messages to life with full-color images that are photographic-like in quality, while tracking access to or movement around a specific locale. As good as these wristbands look – they perform even better. Made from a variety of durable, permanent materials, the actual construction of the tag protects the inlay by sealing it within the layers of durable material. In addition, each tag can be programmed to match the variable information printed on the label.

## Key Market Features

- Stunning graphics! Our digital printing process ensures crisp details on even the most complex logos for maximum clarity
- Potential uses include admission and tracking for trade shows, amusement parks, events, museums, aquariums and zoos
- Durable permanent materials, no paper layers
- Thinner profile, not bulky as thicker options commonly used
- 100% data verification
- Both HF and UHF options available
- Durable adhesive prevents tampering and reuse
- RFID or non-RFID



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9155 Trade Place, San Diego, CA 92126 | ExpressCorp.com

ISO 9001:2015 Certified - ITAR Registered

Member: Automatic Identification Manufacturers Association

Member: AIM UID Supplier Alliance

Member: National Assn. of Graphic Identification Product Manufacturers

Member: Specialty Graphic Imaging Association



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## Specifications

**Construction:** Specialized RFID inlay encapsulated between two layers of .0023” polypropylene material; designed for the comfort of the wearer.

**Label Copy:** The label copy may include block type, stylized type, logos or other designs.

**Colors:** Choose from our standard colors (black, blue, red, green or yellow), PMS color or four-color process for block type, stylized type logos or others designs. Due to contrast needed for the bar code scanner, all bar codes are black on white background.

**Serialization:** Bar code and human-readable equivalent is produced using the latest high-resolution digital technology available, which provides excellent clarity and easy scanning. Standard symbologies include 2D and QR code.

**Programming:** The bar code and human readable can be programmed into the RFID inlay as long as the information is in decimal or hexadecimal format. The programmed information can be locked, which prevents the RFID inlay from being rewritten. If desired, information

can be encoded that differs from the bar code and human readable. We can encode up to 24 characters into the RFID inlay. With UHF, standard 24 characters can be encoded and more, dependent on inlay. NFC - for HF 14443: Can custom encode static or variable NDEF messages to provide endless functionality to your tags.

**Frequency Range:** UHF = 860-960 MHz;  
HF = 13.56 MHz

**Standards:** ISO 15693 (18000-3M1), ISO 14443 A/

**Read Range:** Dependent on frequency range and reader/antenna configuration.

**Size:** 9 3/4” x 1”

**Shipment:** Approximately 15 work days depending on order quantity and inlay availability.

\*Available as RFID or non-RFID wristbands

### Test Description

Exposure tests were performed on RFID wristbands. These tests included exposure to chemicals/products normally in contact with wristbands at outdoor events and waterparks.

Full sample submersion	Chlorine water	Saline pool water	Tap water	Insect repellent	Sunscreen	Hand lotion	Hand soap
Inlay survived/readable	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours
Print condition	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours	72+ hours
Adhesive Condition	Secure/ remains tamper evident	Secure/ remains tamper evident	Secure/ remains tamper evident	Adhesive lifted without destruction*	Adhesive lifted without destruction*	Secure/ remains tamper evident	Secure/ remains tamper evident

\* All wristbands loss their adhesive bond at 72 hours submerged. This does not occur when the product is applied in normal usage scenarios.

RFID inlays were read using a Motorola handheld reader.

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