



High Frequency Wristband Proximity Credential

13.56 MHz Wearable Technology

Identiv's 13.56 MHz Wristband Proximity Credential is the perfect access control solution for active environments. The wristband allows for convenient access to facilities, attractions, and services for temporary or long-term use. This credential delivers a seamless experience for managing access in amusement and water parks, summer camps, sport (i.e., student athletics) and fitness centers, and healthcare environments. As it is waterproof, this wristband is the ideal companion product for Identiv credentials, enabling support for additional use cases in many deployments, including physical access control, cashless vending machines, public transportation, and event ticketing.

Designed for comfort and available in different sizes, Identiv's Wristband Proximity Credential with MIFARE Classic® chip technology is adjustable and built to withstand the rigors of active venues. This credential can sustain repetitive impact, heat, moisture, and harsh chemicals while demonstrating high resistance to cracking or breakage. For maximum protection against environmental damage, these wristbands are made of silicon and are impervious to moisture, protecting the embedded RFID transponder. A passive RFID device, the no-battery design delivers a robust alternative to standard ID1/credit card-sized credentials when portability is required in the field.

For customization and adherence to corporate branding requirements, Identiv's tamper-evident wristbands can be imprinted with a company's logo.

FEATURES	BENEFITS
COMPREHENSIVE WARRANTY	Includes a two-year warranty for material defects and workmanship
PERFORMANCE	Consistent read range and reliability
CONVENIENT	Comfortable, light-weight, and hypoallergenic wristbands designed for active environments that require easy access in applications such as physical access control (i.e., attractions and amusement parks), healthcare (i.e., patient monitoring, tracking, and assisted living facilities), transportation, school and campus applications, loyalty programs, or car parking.
DURABLE	Built to perform in harsh environments and withstand exposure to the elements, including continuous immersion in water and constant motion
COST-EFFECTIVE	Value-priced RFID credential, reusable form factor, and expandable band designed for an easy fit
COMPLIANT	Compatible with MIFARE Classic Readers and Identiv's uTrust TS Readers
VERSATILE	Programmable MIFARE secure sector(s) with physical access control data format (i.e., 26 bits, 37 bits, and more available on demand) or customer-specified data
SECURE	Based on the MIFARE Crypto1 algorithm and secure sectors implementation for data protection (three-pass authentication with data encryption natively supported)

Product Details

SPECIFICATIONS	
CREDENTIAL FORM FACTOR	Wristband (ID band)
OPERATING FREQUENCY	13.56 MHz (ISO/IEC 14443A)
CHIP MODEL	<ul style="list-style-type: none"> MIFARE Classic (EV1) 1 K-Bytes (1KB), 4B non-random UID (NUID) Other chip configurations with 7 Bytes (7B) UID or 4 KB memory are also available on demand
CHIP MEMORY ORGANIZATION	<ul style="list-style-type: none"> 1KB with 16 secure sectors of 64B each
SECURITY	Mutual three-pass authentication (ISO/IEC DIS 9798-2) with support for two keys (A/B) per sector for protected access to data
DIMENSIONS	<ul style="list-style-type: none"> Standard inner diameter: 60 mm (2.36 in) and 55 mm (2.17 in) Round top head size: 25 mm (0.98 in) Custom: Other sizes available on demand
WEIGHT	14 - 15 g (0.49 - 0.52 oz)
TYPICAL READ RANGE	Up to 50 - 60 mm (1.96 - 2.36 in), depending on the high frequency reader in use
TRANSACTION TIME	< 100 ms (for execution of a complete ticketing transaction with mutual authentication and sector reading)
DATE RETENTION	10 years
PROGRAMMING	MIFARE Classic programming is offered at an extra cost, programmed with custom cryptographic 48 bits keys and application-specific data
SLOT PUNCH	None
OPERATING TEMPERATURE	-30° to 220°C (-22° to 428°F)
HOUSING MATERIAL	Silicon rubber (similar to the material of medical gloves)
PART NUMBERS	<ul style="list-style-type: none"> 4197: MIFARE Classic (EV1) Wristband, 4B NUID, Blue, 60 mm (2.36 in) 4196: MIFARE Classic (EV1) Wristband, 4B NUID, Blue, 55 mm (2.17 in) Please contact your Identiv representative for more options
COLOR OPTIONS	<ul style="list-style-type: none"> Standard: Blue Custom (Special Order): Yellow, orange, green, red, white, or black
MINIMUM ORDER QUANTITY	<ul style="list-style-type: none"> Standard: 100 units (each size) Custom: 1,000 units (with custom logo embossed or engraved, or colors other than standard)
WATER RESISTANCE	Internal Protection Rating: IP68, 2 m (6.6 ft) for 24 hours
OPTIONS	<ul style="list-style-type: none"> Screen printing (with logo or text) on top semi-circle head of wristband and/or on the band itself Laser engraving (available on demand) Alternative RFID chips (including MIFARE DESFire EV1 or EV2) Note: Maximum logo size on the round area is about 20 mm height (0.79 in) x 30mm long (1.18 in)
ACCREDITATION	FDA (Food and Drug Administration) and RoHS
PRODUCT	



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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. Technical data is subject to change without notice.