

ID Band



WEARABLE, WATERPROOF RFID CREDENTIALS THAT TOLERATE DYNAMIC ACTIVITY

- **Adjustable size :**
Fits each user securely, even during vigorous sports; hypoallergenic rubber strap also ensures comfort.
- **Durable and waterproof:**
Consistent performance despite the user's activity and can withstand immersion in chlorinated water or spa baths.
- **Cost-effective:**
Good value RFID credentials in a reusable form factor.

ID Band transponders fit almost any wrist and provide consistent performance despite active use and exposure to water. The hypoallergenic thermoplastic polyester elastomer (TPE-E) wristband is comfortable to wear and impervious to moisture, protecting the radio frequency identification (RFID) transponder embedded within.

Built for use in water theme parks, these bands withstand constant motion, repetitive impact with waterslides and pool sides, exposure to outdoor elements and continuous immersion in chlorinated water.

ID bands give each user convenient access to attractions, services, lockers, and vending, whether issued for temporary or long-term use. Bands may be imprinted or laser-engraved with a logo or promotional message, making them ideal for loyalty and membership applications.

The same properties that make ID Bands ideal for water parks also make them effective in health care and fitness applications. Each band adjusts to comfortably fit any patient's wrist, while withstanding the stresses of vigorous exercise, physical therapy, and exposure to the heat and moisture of pools, spas, baths or saunas. At a fitness center, bands can allow the user access to facilities, services and vending. Health care institutions can better track patient use of amenities, or treatment and therapy sessions.

Customers can rely on Sokymat engineering and manufacturing expertise to deliver the world's most advanced, reliable contactless ID Bands. Proven processes and automated manufacturing ensure high quality, as well as efficient and cost-effective ID band production. To meet unique requirements, bands may be customized to include tamper evident closures for one-time use, a broad spectrum of contactless chips and printing or laser engraving.



TECHNOLOGY HIGHLIGHTS:

Featuring an availability of multiple 125 kHz and 13.56 MHz integrated chip options with a memory storage up to 4096 byte EEPROM, Sokymat ID Bands address virtually any need for contactless technology credentials in a hands-free form factor. The adjustable strap is made of highly durable TPE-E and the electronics are safe inside the waterproof housing, which has an IP68 rating.

APPLICATION AREAS:

Sokymat ID Bands are ideal for access management applications as well as cashless payment systems. Due to their durability and waterproof quality, the bands are particularly ideal for fitness centers, patient care facilities and spas and wellness centers. Cashless payment systems of amusement parks, pools, water parks and camps easily use the ID Bands for loyalty programs, fare collection or payment or as a near field communication (NFC) device.

SPECIFICATIONS

	ID Band		
	LF	HF	
ELECTRONIC			
Operating Frequency	125 kHz	13.56 MHz	
Chip Type	Hitag S, Q5, Unique	LEGIC MIM256, LEGIC MIM1024	MIFARE 1K, MIFARE 4K, MIFARE DESFire EV1 2K, MIFARE UL
Memory	64 bit read-only to 2048 bit read-write	256 to 1024 byte EEPROM	64 bit to 4096 byte EEPROM
Anti-collision	Yes (Hitag)		Yes
PHYSICAL			
Dimensions	Strap: 9.5 x 0.6 x 0.06 in (241 x 16 x 1.5 mm) Housing: Ø 1.0 x 0.17 in (Ø 25 x 4.4 mm)		
Housing Material	Strap: TPE-E, Housing: PC		
Color	Dark blue (Pantone 541C)		
CHEMICAL AND MECHANICAL			
Water	IP68, 6.6 ft (2 m) x 24 h		
Withstands Exposure To	Chlorine (SIA385/1)		
Environmental Test Conditions	68° F (20° C), 100 h		
Force	84 N with straight strap, 280 N on closed bracelet		
THERMAL			
Storage	-13° to +122° F (-25° to +50° C), 1000h		
Operating	-13° to +122° F (-25° to +50° C)		
Shock/Fatigue	-4° to +212° F (-20° to +100° C) 1x24h		
OTHER			
Standards	ISO 10373, ISO 60529	ISO 10373, ISO 60529, ISO 14443, optional NFC	
Options	Printing or laser engraving on strap and housing, alternative chips		
Warranty	1 Year		

Sokymat can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials.



May be used for NFC applications.

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in door opening solutions**