

SILICONE WRISTBAND DIAMOND



NFC



LF



HF



Global Tag **RFID DIAMOND WRISTBAND** is a waterproof RFID wristband featuring an adjustable watch-style design, suitable for both adults and children thanks to its practical strap and buckle system.

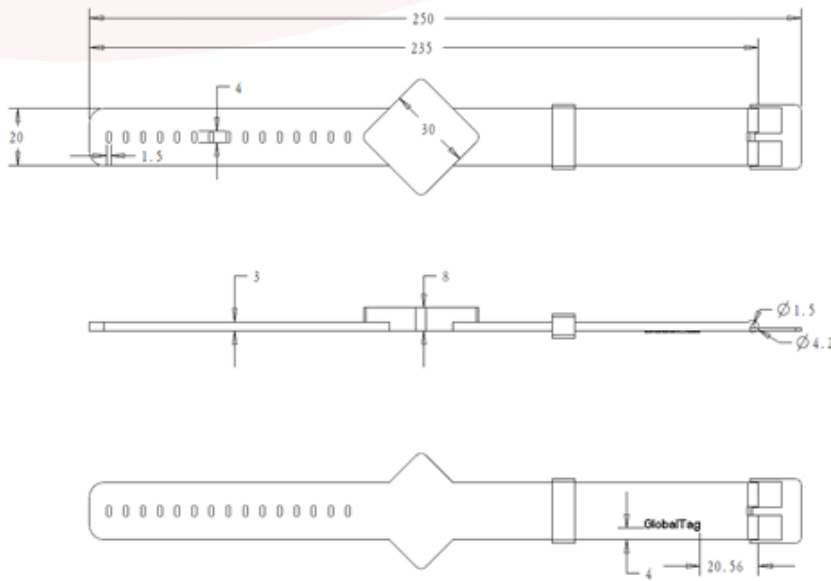
Comfortable and easy to wear, it is designed for applications requiring reliable identification and repeated daily use.

RFID DIAMOND WRISTBAND is particularly suitable for swimming pools, water parks, hotels and resorts, as well as for access control, ticketing and cashless or micro-payment applications.

The wristband is available in LF, HF 13.56 MHz including NFC, and UHF frequencies. Several customization options are available, including custom molded colors based on the Pantone color range, allowing the wristband to be adapted to different branding and project requirements.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 250x40x8mmmm (max size) / 9,84x1,57x0,31 in



Weight: 22gr.

Material: Silicon Rubber (Metal or Plastic ABS material for clasp)

Color: Available all colors shown in Pantone table (MOQ can be required for particular colors)

Class Protection: IP68 (Totally protected against ingress of solid / Protected against long period of immersion)

Storage Temperature: -55°C (for 3h) to +120°C (for 2h) / -67°F (for 3h) to +248°F (for 2h) (for any other particular request contact us)

Operating Temperature: -25°C to +85°C / -13°F to +185°F

Weather Ability: Very Good, including UV resistance and sea water

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

Chemical resistance:

No physical or performance changes in (tested up to, more hours can be):

- 200 hours Salt water (salinity 35gr/L) exposure
- 200 hours NaClO (25% with water, Bleach) exposure

Values in the table are the best recommendations; resistance against environmental conditions depends on the combinations of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. We are available for other information.

CHIP SPECIFICATION AVAILABLE:

	LF 125KHz	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	N.D.	Class 1 Gen 2
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC	ISO18000-63
IC Type Available	TK4100, T5577, EM4200, other on request	I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Mifare Plus X 4K, Mifare Desfire 4K, STM LRI2k, Ntag213, Ntag216 other on-request	Alien Higgs3, Alien Higgs 4, Monza 5, others on-request
Size Inlay	25mm diameter	25mm diameter	20x10mm
Read Range	From 2 to 25cm	From 2 to 25cm	Up to 20cm

CUSTOMIZATION OPTIONS:

Printing laser engraving: Serial UID, serial progressive number from database, randomize number from database text. Other customizations on request.

Silk Printing: 4-colors printing logo

Pre-Encoding: Customer specific encoding of EPC or User Memory (also from Database). Locking permanently or with password. Insert into Database TID code. For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

OPTIONS AND SPARE PARTS AVAILABLE:

Some different buckles are available. Find below the most used clips:



Plastic Clip: recommended for Marine sea use.



Metal standard Clip: recommended for all the uses.



Metal special Clip: recommended for swimming pool or aquatic park use.

APPLICATION NOTE:

Access Control: The wristband is used for access control in many different environment as swimming-pool, aquatic park, SPA or beauty center, hotels and events.

Micro-Payment and ticketing: The Wristband, especially with HF ISO14443 (NFC) chip, can be used for micro-payment inserting encrypted information.

Fidelity or VIP Pass

ORDER INFORMATION:

Standard product is made with Standard Claps

PRODUCT CODE: GT-WTCY-xx (xx is the selected IC chip)

On demand we can also produce transponder with different color or with other type of customization

Contact us for more information:

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