

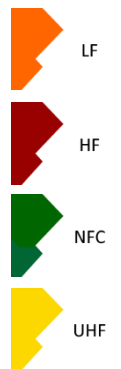
# PRODUCT DATASHEET

## GLOBAL TAG **WATCHY**



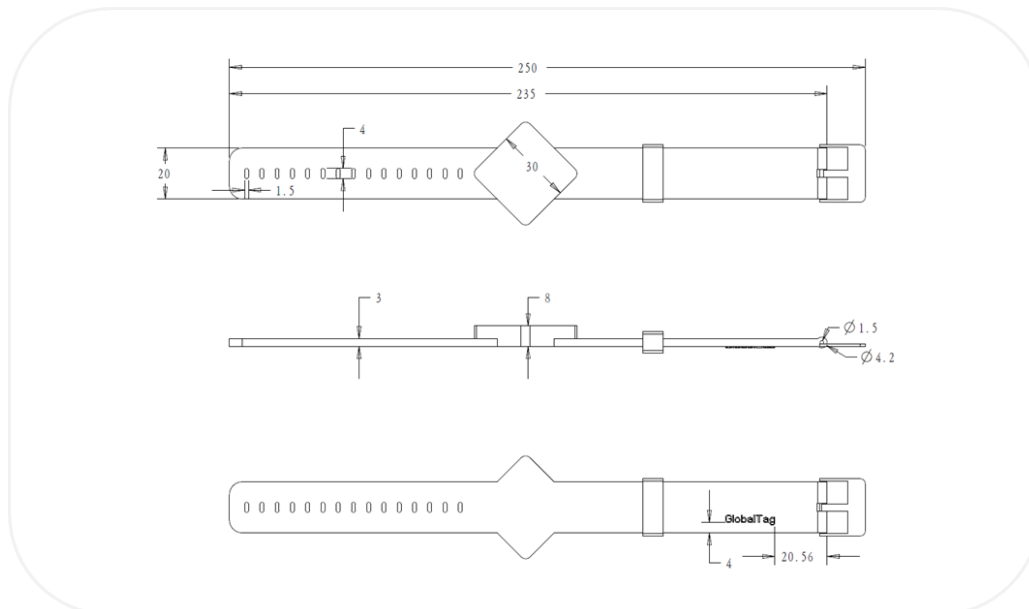
Global Tag **WATCHY** wristband has a special design developed by everyone, adults and children thanks to several holes in the band, just like a watch. Waterproof, born for swimming-pool or aquatic park or hotel access and for ticketing/micro-payment application.

**WATCHY** is available in LF, HF (also NFC) or UHF frequency with many different customization as color mold (all color shown in Pantone Table).



### MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

**Dimensions:** 250x40x8mm (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:** Singulated

**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 <b>NFC</b>	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, other 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 customization on required.

**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

Are available some different type of clasp. We report only the most used clasp:



**Plastic Clasp:** recommended for Marine sea using.



**Metal standard Clasp:** recommended for all using. this is a standard clasp using



**Metal special Clasp:** recommended for swimming pool or aquatic park using

Are also available spare part of clasp, rubber holder and pin for clasp

## APPLICATION NOTE

**Access Control:** **WATCHY** is used for access control in many different environment as swimming-pool, aquatic park, SPA or beauty center, hotel.

**Micro-Payment and ticketing:** **WATCHY**, in particular with HF ISO14443 (NFC) chip, can be used for micro-payment inserting information in cryptographic memory block.

**Fidelity or VIP Pass**



## **ORDER INFORMATION**

**Standard product is made with Standard Claps**

**PRODUCT CODE:** GT-WTCY-xx (xx defined type of chip required)

**With Plastic Claps**

**PRODUCT CODE:** GT-WTCY\_P-xx (xx defined type of chip required)

**With Special Claps**

**PRODUCT CODE:** GT-WTCY\_S-xx (xx defined type of chip required)

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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## **DISCLAIMER**

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Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

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