

# RFID DISPOSABLE WRISTBAND



Global Tag **WRISTBY** Portfolio is a wide range of RFID/NFC wristbands designed to meet different application needs. The various models allow flexibility across multiple use cases, covering both disposable and reusable solutions.

H-WRISTBY is the disposable model typically used in hospital environments; TE-WRISTBY features a special HF ISO14443 (NFC) antenna design that is irreversibly damaged if removed or cut; T-WRISTBY is a single-use Tyvek wristband, ideal for event and race access control; F-WRISTBY is a high-quality PVC + fabric wristband suitable for festivals and micropayments; finally, U-WRISTBY is the disposable UHF version for long-range applications.

Several customization options are available, including printing, progressive numbering, barcode/QR code, memory encoding and data integration into databases. Sizes and models can be adapted or newly developed according to specific customer requirements.

## RFID & NFC H-WRISTBY



Global Tag **H-WRISTBY** is the disposable wristband designed for Hospital and Healthcare applications, where the main need is represented by the tracking of patients.

Also, it is a great solution for any other applications that require a disposable wristband, such as swimming pools, fitness centers, spa and resorts.

This tag is available in LF and HF (also NFC) frequency. Different customizations are available.

### **MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS**

**Dimensions:** 247X25 mm

**Mounting System:** Disposable clip

**Weight:** 3,5 gr

**Material:** Soft PVC (Matt or Gloss surface)

**Color:** All colors

**Class Protection:** IP67

**Storage Temperature:** -40°C to +65°C / -40°F to +149°F

**Operating Temperature:** -25°C to +50°C / -13°F to +122°F

**Delivery format:** Individual or packs of 10pcs

**Expected lifetime:** Some years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC
IC Type Available	TK4100, T5577, EM4200, other on request	NXP ICode SLI-X/-S, STM LRI2K, Texas TI2048, NXP Mifare Ultralight, NXP Mifare Classic 1KB/4KB, NXP Mifare Desfire 2KB/4KB/8KB, NXP Mifare Plus 4KB, NXP Ntag213 / Ntag216
Size Inlay	18mm diameter	18mm diameter
Read Range	From 2 to 10cm	Up to 20cm

## CUSTOMIZATION OPTIONS:

**Silk Printing:** Serial UID, serial progressive number from database, random number from database, text, Barcode or QRCode. Other customization on request. Front side 4-colors logo printing.

**Pre-Encoding:** Customer specific encoding of User Memory (also from Database). On N-Tag213 chip (NFC) memory encoding (mailto, URI or other information) from database.

## APPLICATION NOTE:

Hospital Patients Tracking  
 SPA/Beauty center customers micropayments  
 Swimming Pool/Training center access control

## ORDER INFORMATION:

**PPRODUCT CODE:** GT-H\_WRSTY-xx (xx required chipset)

**For further information or customized request:**

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## RFID & NFC T-WRISTBY



Global Tag **T-WRISTBY** is a RFID HF disposable wristband in Tyvek material.

This wristband tag is very light and it has a very good price/quality ratio. It is possible to choose the printing option, starting from an artwork layout supplied by the customer in vectorial format. The antenna of this tag is placed externally.

This special tag is a great solution for applications that require onetime-used wristbands, such as sport race with entrance fee or events.

### MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

**Dimensions:** 250x25mm

**Weight:** 1,5 gr.

**Material:** Tyvek

**Color:** To be customized

**Class Protection:** IP65

**Storage Temperature:** -55°C + 65°C / -67°F to +149°F

**Operating Temperature:** -25°C + 50°C / -13°F to +122°F

**Weather Resistance:** Very Good, including UV resistance and water splashes

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	HF 13,56MHz
Device type	N.D.
Air interface protocol	ISO14443 and ISO15693 and NFC
IC Type Available	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
Size Inlay	56x18mm
Read Range	From 2 to 20cm

## CUSTOMIZATION OPTIONS:

**Silk Printing :** 4-colors printing logo

**Pre-Encoding:** Customer specific encoding of User Memory (also from Database). Locking permanently or with password. Insertion into Database UID code.

## APPLICATION NOTE:

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

**Fidelity or VIP Pass:** T-WRISTBY can be used to allow the event access possibility to a restricted number of people, avoiding PASS exchanges.

## ORDER INFORMATION:

**PRODUCT CODE:** GT-T\_WRSTY-xx (xx defined type of chip required)

**For further information or customized request:**

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## NFC/HF ISO14443 TAMPER EVIDENT WRISTBY



Global Tag **TE-WRISTBY (Tamper-Evident)** is a NFC (HF ISO14443) antitamper wristband, which shows in its memory the tampering attempts.

The special antenna design of this wristband implies an irreversible memory change of the NFC tag in case of tampering (removal or cutting out). It is due to the shape of the antenna (which extends along the entire bracelet) and to the N-Tag213 TT chip (which has anti-tamper and tamper-evidence features).

This special tag is the best solution for applications that require onetime-used wristbands, such as events with entrance fee or exclusive parties.

### **MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS**

**Dimensions:** 245x25mm

**Weight:** 1,5 gr.

**Material:** PET

**Color:** To be customized

**Class Protection:** IP67

**Storage Temperature:** -55°C + 65°C / -67°F to +149°F

**Operating Temperature:** -25°C + 50°C / -13°F to +122°F

**Weather Resistance:** Very Good, including UV resistance and water splashes

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	HF 13,56MHz
Device type	N.D.
Air interface protocol	ISO14443
IC Type Available	N-Tag213 TT
Read Range	From 2 to 8cm

## CUSTOMIZATION OPTIONS:

**Silk Printing** : 4-colors printing logo

**Pre-Encoding**: Customer specific encoding of User Memory (also from Database). Locking permanently or with password. Insertion into Database UID code.

## APPLICATION NOTE:

**Access Control**: TE-WRISTBY can be used for access control in many different events as swimming-pool, aquatic park, SPA or beauty center, hotel, fairs.

**Fidelity or VIP Pass**: TE-WRISTBY can be used to allow the event access possibility to a restricted number of people, avoiding PASS exchanges.

## ORDER INFORMATION:

**PRODUCT CODE**: GT-TE\_WRSTY-NTAG213TT

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## RFID & NFC F-WRISTBY



Global Tag **F-WRISTBY** is an RFID/NFC wristband composed of a reusable PVC mini-card and a disposable fabric band. Available in LF and HF (including NFC), it offers various customization options such as color selection and full custom printing. F-WRISTBY is widely used for festival micropayments, camping, SPA and resort access, and museum ticketing.

### MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

**Material:** Mini card: PVC; Strap: fabric

**Color:** To be customized

**Class Protection:** IP68

**Storage Temperature:** -55°C + 65°C / -67°F to +149°F

**Operating Temperature:** -25°C + 50°C / -13°F to +122°F

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

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions



Card size: 42x26mm  
Hole size: 3x20mm



Card size: 40x25mm  
Hole size: 3x15mm



Card size: 39x25mm  
Hole size: 2x18mm



Card size: 34.5x26mm  
Hole size: 3.9mm



Card size: 35x26mm  
Hole size: 2x15mm



Card size: 50.8x25.4mm  
Hole size: 2x15mm



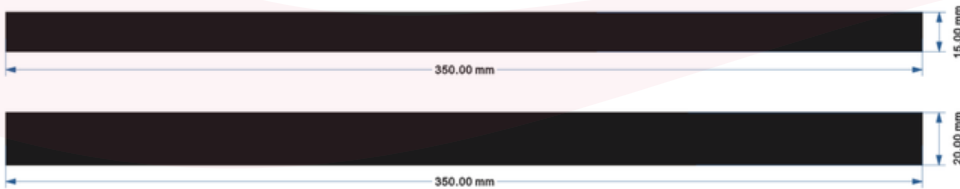
Card size: 33x26mm  
Hole size: 2x15mm



Card size: 38x20mm  
Hole size: 2x15mm



Card size: 50.8x28mm  
Hole size: 2x15mm



## CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC
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
Size Inlay	18mm diameter	18mm diameter
Read Range	From 2 to 10cm	From 2 to 20cm

## CUSTOMIZATION OPTIONS:

**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.)

## APPLICATION NOTE:

Access Control

Micro-Payment and ticketing

Fidelity or VIP Pass

## ORDER INFORMATION:

**PRODUCT CODE**: GT-F\_WRSTY-xx (xx defined type of chip required)

**For further information or customized request:**

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## RFID UHF U-WRISTBY



Global Tag **U-WRISTBY** is a disposable UHF tag with wristband form, which can be produced in high quality paper or soft plastic materials.

U-WRISTBY is available in two different standard sizes, according to the application needs related to the project

This wristband can be printed with customized logos, texts, serial numbers and TID/EPC printing.

### **MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS**

**Dimensions:** 270x22mm (A); 400x25mm (B)

**Weight:** It depends on the material

**Material:** High Quality Paper, PVC, PP or PET

**Color:** To be customized

**Class Protection:** IP65

**Storage Temperature:** -55°C + 65°C / -67°F to +149°F

**Operating Temperature:** -25°C + 50°C / -13°F to +122°F

**Weather Resistance:** Very Good

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	<b>UHF 860-960MHz</b>
Device type	Class 1 Gen 2
Air interface protocol	ISO18000-63
IC Type Available	Alien Higgs3, Alien Higgs 4, Monza 5, other on-request
Size Inlay	98x12mm or 73x21mm
Read Range	Up to 5/6meters

## CUSTOMIZATION OPTIONS:

**Silk Printing** : 4-colors printing logo

**Pre-Encoding**: Customer specific encoding of User Memory (also from Database). Locking permanently or with password. Insertion into Database UID code.

## ORDER INFORMATION:

**PRODUCT CODE**: GT-U\_WRSTY-xx (xx defined type of chip required)

**For further information or customized request:**

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