RFID Wristbands

Printable RFID Wristband

Direct Thermal – clip fastening

Description:

Zebra's tamper-proof, 13.56 MHz frequency RFID wristbands are fast and accurate, and offer flexible read/write capabilities. RFID-enabled wristbands support the same data as bar coded wristbands and more. Line-of-site scanning is not required and these bands can be read through clothes or bed sheets. Zebra Smart Wristbands offer an ideal option for using RFID technology to identify and track patients.

The product is made from a direct thermal, laminated, topcoated, white polypropylene.   The product is supplied with a secure closure white plastic clip. It is latex free, waterproof and resistant to smear, abrasion, alcohol and mild cleaners. It meets healthcare patient ID and safety goals (The Joint Commission), removes risk of data left on ribbons (HIPAA) and prevents medication and blood transfusion errors.

How the wristband system works

The system begins with a non-transferable band which cannot be removed without breaking or cutting the band. When the band enters the radio field generated by a Read/Write unit, the antenna excites the computer chip inside the band. This enables data to be transferred from the wristband to the reader. The chip's factory imbedded ID code - plus any data that is written to it - is captured by the antenna and then sent to the host computer. The host computer processes the data and then returns any updates back to the smart band.

Suggested Applications

- Safe, secure, positive patient ID for hospitals
- Event admission: sports, concerts, festivals etc.
- Water and amusement park admissions
- Law enforcement ID- tracks and verifies inmate ID

Technical Specifications

Facestock	Polylaminate
Caliper	381 micron +/- 10%
Inlay	Texas Instruments® Tag-it® HF-I 2k bits organised in 64 x 32-bit blocks (ISO 15693-2 and -3 Compatible)
Frequency	13.56 MHz
Band Size	30.16 mm x 292.1 mm
Construction	Film laminate
Print Method	Direct thermal on-demand printing, No ribbon required
Closure	Snap closure; tamper-proof and secure locking
Graphics Support	User-defined fonts, graphics - including photographs

Description		Caliper
Facestock	Top coated white polylaminated tag	381 microns
	Total	381 microns

Zebra Smart Wristband Kit - TI (ISO15693 transponder)

Smart Wristband Kit Contents:	Part No.	Bands/ Roll
Three rolls Direct Thermal Polypropylene Zebra Smart Wristbands	95660	100
Approx. 400 Wristband Clips		

Recommended Zebra printers: RFID printer R2844-Z

Minimum application temperature: N/A

Service Temperature: -40°C to +60°C

Recommended Storage Conditions: Six months duration when stored between 0°C and 21°C at 35% to 50% RH

Applications with Chemicals

Ribbon	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
DT	X	X	X	X	X				X								

X indicates acceptable chemical resistance

Durability testing:

Abrasion test: Exceeds 1500 rubs using Crockmeter with heavy arm and crocking cloth

Heat Resistance: Human readable information still legible after 1 hour at 70°C

Water: Withstands total immersion in water

91% IPA: Withstands 50 rubs with soaked cotton applicator

70% IPA: Withstands 50 rubs with soaked cotton applicator

Foam Soap: Withstands exposure to most foam soap, skin and perineal cleansers

Skin Protectant: Withstands long-term exposure to no rinse breathable barrier skin protectants

Product Performance and Suitability

All information on this document is to be used for guidance only and is not to be used for setting specifications. All purchasers of Zebra products shall be responsible for independently determining if the product conforms to all requirements of the application.
Please call your sales representative for information regarding samples.