

## PDC Smart<sup>®</sup> SuperBand<sup>®</sup> Wristbands



PDC Smart<sup>®</sup> SuperBand<sup>®</sup> is a non-transferable wristband with a securely sealed Radio Frequency Identification (RFID) tag inside to reliably store and transfer data. The data is accessed by RFID systems such as RFID Smart Readers and the PDC Smart<sup>®</sup> Kiosk.

# PDC Smart® SuperBand® 470 RFID Wristbands

- **Material:** Constructed of waterproof, non-stretch plastic with a patented SecurSnap® closure.
- **Quantity:** 500 per box. Minimum order 1 box.
- **Custom Printing:** Print your logo or message with up to two colors. See custom imprint specifications on next page.
- **Lead Time:** Ships 3 weeks from date of artwork approval & payment terms. Lead time may vary pending RFID inlay availability.



Part Number	RFID Inlay	ISO#
470PE-XX-PDM	Tag-it HF-I	ISO 15693-3
470PM-XX-PDM	Mifare Ultralight	ISO 14443A
470PA-XX-PDM	Mifare 1K	ISO 14443A
470PB-XX-PDM	Mifare Mini	ISO 14443A
470PF-XX-PDM	Mifare Ultralight C	ISO 14443A

See RFID Tag specifications on back cover

# PDC Smart® SuperBand® 473 Custom Shape RFID Wristbands

Create your own unique die cut shape to maximize security and enhance your branding or theme!

- **Material:** Constructed of waterproof, non-stretch plastic with a patented SecurSnap® closure.
- **Quantity:** 500 per box. Minimum order 1 box.
- **Custom Printing:** Print your logo or message with up to two colors. See custom imprint specifications on next page.
- **Lead Time:** Ships 10 weeks from date of artwork approval & payment terms.
- **Custom die-cut fee applies.** See custom shape specifications on next page.



Part Number	RFID Inlay	ISO#
473PE-XX-PDM	Tag-it HF-I	ISO 15693-3
473PM-XX-PDM	Mifare Ultralight	ISO 14443A
473PA-XX-PDM	Mifare 1K	ISO 14443A
473PB-XX-PDM	Mifare Mini	ISO 14443A
473PF-XX-PDM	Mifare Ultralight C	ISO 14443A

See RFID Tag specifications on back cover

Substitute "XX" for colored number:

WHITE 11	BLUE 13	YELLOW 14	RED 16	ORANGE 17	KELLY GREEN 22	LAVENDER 23
CRANBERRY 25	DAY GLOW ORANGE 29	GRAPE 33	AQUA 35	DAY GLOW PINK 37	DAY GLOW GREEN 39	CRIMSON RED 83

Actual wristband colors may vary, especially day glow colors

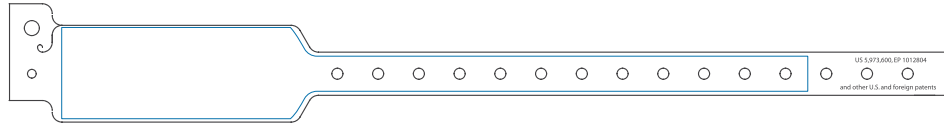


## PDC Smart® Superband® Wristband Principle Applications:

- Social Media Integration
- Cashless Payments
- Access Control & Security
- Promotional, Customer Loyalty & VIP Programs
- Keyless Entry
- Keyless Lockers

## Custom Imprint Specifications:

Custom print your logo or message on PDC Smart® SuperBand® 470 and 473 wristbands. Include your logo, website, phone number, and slogan to boost your brand, promote special offers, or raise awareness for special events!



Imprint Area: Band: 3.0" L x 1.125" W Strap: 6.25" L x 0.375" W

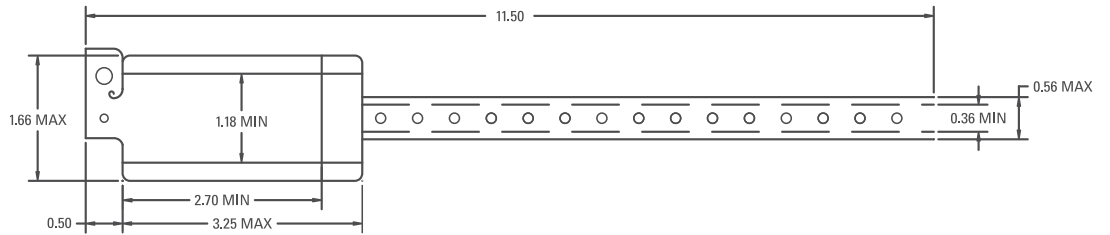
Custom print with up to 2 of the following colors:

WHITE 11	BLUE 13	YELLOW 14	RED 16	ORANGE 17	KELLY GREEN 22	LAVENDER 23
CRANBERRY 25	DAY GLOW ORANGE 29	GRAPE 33	AQUA 35	DAY GLOW PINK 37	DAY GLOW GREEN 39	CRIMSON RED 83

See artwork specifications on back cover.

## Custom Shape Specifications:

Design your unique PDC Smart® SuperBand® 473 wristband per the parameters below:



## Custom Serialization Specifications:

Manage wristband inventory, track admissions, and increase security with custom serialization.

### Front of Band Custom Serialization-

470 RFID wristbands only

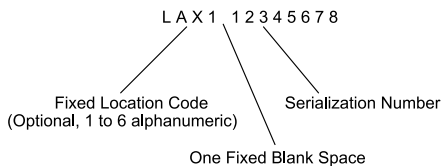


### Back of Band Custom Serialization-

470 & 473 RFID wristbands



If required, an additional 1 to 6 character alphanumeric Fixed Location Code can be added as shown below:



Serialization Option	Range	Max Combinations Possible	Notes
8 digit, Numeric (# # # # # # # #)	00000001 - 99999999	99,999,999	
2 digit, Alphanumeric + 6 digit Numeric (A A # # # # # #)	00000001 - ZZ999999	1,155,998,844	<ul style="list-style-type: none"> <li>Alphanumeric digits are capital letters and numbers ONLY.</li> <li>Alphanumeric digits are 0-9 and A-Z excluding the letters "I" and "O" (34 possibilities).</li> </ul>
6 digit, Alphanumeric (A A A A A A)	000001 - ZZZZZZ	1,544,804,415	<ul style="list-style-type: none"> <li>Alphanumeric digits are capital letters and numbers ONLY.</li> <li>Alphanumeric digits are 0-9 and A-Z excluding the letters "I" and "O" (34 possibilities).</li> </ul>
Tag UID Number, 8 digit maximum (Hexadecimal)			<ul style="list-style-type: none"> <li>Alphanumeric digits are capital letters and numbers ONLY.</li> <li>Optional reverse byte printing. Option 4 may only be used for 8 digit UID products such as ISO14443; NXP Mifare products.</li> </ul>
8 digit max., Fixed Alphanumeric Lot Number (A B 3 4 5...)			<ul style="list-style-type: none"> <li><b>Front of Band only</b></li> <li>Capital letters, numbers and punctuation.</li> </ul>
8 digit maximum, Serialization and/or Memory Programming from Excel table			<ul style="list-style-type: none"> <li><b>Front of Band only</b></li> <li>All printable Standard ASCII characters.</li> </ul>
16 digit maximum, Fixed Alphanumeric Lot Number (A B 3 4 5...)			<ul style="list-style-type: none"> <li><b>Back of Band only</b></li> <li>Capital letters, numbers and punctuation.</li> </ul>
16 digit maximum, Serialization from Excel table			<ul style="list-style-type: none"> <li><b>Front of Band only</b></li> <li>All printable Standard ASCII characters.</li> </ul>

# Artwork Specifications:

## Spot Color Specifications:

- CLEAN, BLACK AND WHITE LINE ART is required
- Tones and screens need to be converted to solids
- Broken lines, weak lines, or smeared art cannot be imprinted
- Outline all fonts in the artwork files



No tones or screens (gray area)



No faxed art or art with broken or weak lines



Artwork must be clean, black & white line art

Preferred File Formats			
Format	Extension	Description	Note
EPS	.eps	Illustrator encapsulated post script	Convert text to outlines
AI	.ai	Adobe Illustrator	Convert text to outlines
TIFF	.tif	Tagged image file format	300-600 dpi or higher
JPG	.jpg	Joint Photographic Experts Group	300-600 dpi or higher

**Note:** If artwork is not supplied in the proper format and requires additional graphic design work, you may be billed for art charges.

## No Logos / Artwork from a Website

We cannot use logos/artwork that are copied from a website as these images are low resolution and will produce a jagged, pixilated imprint with poor quality results.

## E-Mail your Artwork

You may e-mail your artwork to [artwork@pdc.com](mailto:artwork@pdc.com). Please include your company name, order number, contact name and phone number in your e-mail message.

## Upload your Artwork Online

To upload your artwork through our website, go to [www.pdcsolutions.com/artwork](http://www.pdcsolutions.com/artwork). Simply attach your artwork file.

## Artwork Archives

We are happy to keep your wristband artwork on file for future re-orders. This will save you time and money. Please note, however, that if artwork is not used within a two year period, the archive artwork will be destroyed.

# RFID Specifications:

	Texas Instruments Tag-it HF-1	Mifare Ultralight	Mifare Standard 1K	Mifare Mini	Mifare Ultralight C
Operating Frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz
EEPROM Size	256 byte (2048 bit)	64 byte (512 bit)	1024 byte (8192 bit)	320 byte (2560 bit)	192 byte (1536 bit)
Memory Organization	64 blocks, 4 bytes per block	16 pages, 4 bytes per page	16 sectors, 4 blocks of 16 bytes	5 sectors, 4 blocks of 16 bytes	48 pages, 4 bytes per page
Unique Serial Number (UID)	8 byte (64 bit)	7 byte, cascaded	4 byte (32 bit)	4 bytes (32 bit)	7 byte
RF Interface	ISO 15693-3	ISO 14443A	ISO 14443A	ISO 14443A	ISO 14443A
Data Retention (years)	10	5	10	10	5
Write Endurance (cycles)	100,000	100,000	100,000	100,000	100,000
Read/Write Range	3.5" / 8.9 cm	1.5" / 3.8 cm	1.5" / 3.8 cm	1.5" / 3.8 cm	1.5" / 3.8 cm

## North America & Latin America

U.S. Headquarters  
27770 N. Entertainment Drive, Suite 200  
Valencia, CA 91355  
Tel: 866.403.6526  
Tel: 661.257.0233 ext 1556  
Fax: 818.686.9336  
Email: [rfid@pdc.com](mailto:rfid@pdc.com)

## Asia Pacific

Tel: +1.661.257.0233  
Fax: +1.818.686.9317  
Email: [asia@pdc.com](mailto:asia@pdc.com)

## Europe, Middle East & Africa

Europe Headquarters  
Rue de l'Industrie, 17  
1400 Nivelles, Belgium  
Tel: +32 67 89 56 56  
Fax: +32 67 21 77 70  
Email: [info@pdc.com](mailto:info@pdc.com)  
Web: [pdcsolutions.eu](http://pdcsolutions.eu)



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