



ICT Proximity Silicone Wristband



ICT Proximity Silicone Wristbands provide a convenient, highly secure access solution. The slim, unobtrusive design ensures the device is comfortable and durable in all conditions. The wristbands are sweat and waterproof, making them an ideal choice for gyms, fitness centers and swimming facilities, and harsh outdoor and industrial environments. Wristbands are available in large, medium and small sizes, and come in either black or white.

Feature Highlights

- > Utilizes MIFARE 13.56MHz technology with read/write functionality
- > Waterproof silicone design prevents access to the wristband's components
- > Environmental rating of IP68 ensures durability
- > Available in black and white
- > Choose from small, medium or large sizes
- > Suitable for environments where water and/or high temperatures are present
- > Wearable convenience for situations where carrying a card may not be practical or possible

ICT Secured MIFARE

ICT Secured MIFARE is ICT's implementation of the MIFARE standard. Credential data is protected with a diversified authentication key and encrypted with an AES256 algorithm, effectively plugging the known security flaw in the MIFARE standard.

Other MIFARE formats are also available.

Convenient

The slim, unobtrusive design ensures the wristband can be worn comfortably, including under protective clothing. This allows users to carry their credential on them at all times, making it fast and simple to move through access controlled doors.

Long Life and Durability

Extremely durable, the wristbands carry an IP68 rating meaning they are resistant to water, heat, pressure and chemicals. This makes them an ideal choice for gyms, fitness centers and swimming facilities, along with harsh outdoor and industrial environments.

Flexible Options

A range of ordering options provides additional flexibility:

- > Opt for black or white according to preference
- > Choose between small, medium and large sizes for the perfect fit and comfort

Technical Specifications

The following specifications are important and vital to the correct operation of this product. Failure to adhere to the specifications will result in any warranty or guarantee that was provided becoming null and void.

Ordering Information	
PRX-SWB-MF-B-L	Black Wristband - Large
PRX-SWB-MF-B-M	Black Wristband - Medium
PRX-SWB-MF-B-S	Black Wristband - Small
PRX-SWB-MF-W-L	White Wristband - Large
PRX-SWB-MF-W-M	White Wristband - Medium
Communications	
Operating Frequency	13.56MHz
Typical Maximum Read Range *	15mm (0.59")
Typical Transaction Time	< 100 ms
Communication Rate	106 Kbps
EEPROM Memory	
Memory	1 kB EEPROM organized in 16 sectors of 4 blocks (one block consists of 16 bytes)
Write Endurance	100,000 minimum
Data Retention	10 years minimum
Composition	
Material	Silicone
Dimensions	
Dimensions (C x W x T)	Large: 195 x 16 x 5 mm (7.6 x 0.6 x 0.2")
	Medium: 180 x 16 x 5 mm (7 x 0.6 x 0.2")
	Small: 152 x 16x 5 mm (6 x 0.6 x 0.2")
Weight	Approx. 14.5 g (0.51 oz)
Operating Conditions	
Environmental Rating	IP68
Operating Temperature	-25° to 85° C (-13° to 185° F) / Relative Humidity 60%
Storage Temperature	-25° to 120° C (-13° to 248° F) / Relative Humidity 60%

* Read range is dependent on installation conditions and may vary accordingly.

Integrated Control Technology continually strives to increase the performance of its products. As a result these specifications may change without notice. We recommend consulting our website (www.ict.co) for the latest documentation and product information.

Designers & manufacturers of integrated electronic access control, security and automation products.
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