



## RFID Silicone Wristbands spec sheet

### Physical Description

<b>Description</b>	Our RFID silicone wristbands can be custom printed with any design and any Pantone-matched base colour. The wristbands are available in adult and child sizes and come with an integrated RFID or NFC chip.
<b>Dimensions</b>	200mm x 12mm (may vary)
<b>Lock Mechanism</b>	Non-adjustable / Non-security
<b>Materials</b>	Silicone
<b>Reading distance</b>	3cm approx
<b>Waterproof</b>	Rated to IP 66

### Printing Options

<b>Wristband</b>	Pantone-matched base colour. 1 - full colour print options available
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### Packaging

Packaging can be bespoke, however default is as follows
50 pieces per clear poly bag - labelled
10 x 50 pcs bags in a black opaque bag - labelled
5-6K per carton

### RFID Integrated Circuit options

#### LOW Frequency 125Khz (below is a list of example IC available at time of print)

RFID IC List	IC Manufacturer	Protocol/Standard	Memory
EM4200(*Replaced EM4100/EM4102)	EM MICROELECTRONIC	n/a	64bit Unique R/O
TK4100	EM4200 compatible	n/a	64bit Unique R/O
EM4550 / 128 Byte R/W	EM MICROELECTRONIC	n/a	128 Byte R/W
EM4469 / 1K-Byte EEPROM	EM MICROELECTRONIC	n/a	1K-Byte EEPROM
Atmel T5577(*Replaced T5557/T5567)	Atmel	n/a	330 bit R/W
Hitag 1	NXP-Philips	n/a	1K bit R/W
Hitag 2	NXP-Philips	n/a	256bit R/W
Hitag S256	NXP-Philips	n/a	256bit R/W
Hitag S2048	NXP-Philips	n/a	2048bit R/W
Hitag uRO64	NXP-Philips	n/a	64bit R/O
HID WG26 compatible	Atmel T5577 encoded	n/a	26bit R/O
HID WG37 compatible	Atmel T5577 encoded	n/a	37bit R/O

#### High Frequency 13.56 MHz (below is a list of example IC available at time of print)

RFID IC List	IC Manufacturer	Protocol/Standard	Memory
Mifare 1K S50(NXP)	NXP	ISO 14443A	1K Byte EEPROM
Mifare Mini S20(NXP)	NXP	ISO 14443A	320K Byte EEPROM
FM11RF08	Mifare 1K Compatible	ISO 14443A	1K Byte EEPROM
TK S50	Mifare 1K Compatible	ISO 14443A	1K-Byte EEPROM
Mifare Ultralight	NXP	ISO 14443A	512 bit EEPROM
Mifare Ultralight C	NXP	ISO 14443A	1536-bit EEPROM
Mifare 4K S70(NXP)	NXP	ISO 14443A	4K Byte EEPROM
FM11RF32	Mifare 4K Compatible	ISO 14443A	4K Byte EEPROM
Mifare DESFire EV1 D21	NXP	ISO 14443A	2K Byte EEPROM
Mifare DESFire EV1 D41	NXP	ISO 14443A	4K Byte EEPROM
Mifare DESFire EV1 D81	NXP	ISO 14443A	8K Byte EEPROM
Mifare DESFire D20	NXP	ISO 14443A	2K Byte EEPROM
Mifare DESFire D40	NXP	ISO 14443A	4K Byte EEPROMd
Mifare DESFire D80	NXP	ISO 14443A	8K Byte EEPROM
Mifare Plus 2K S	NXP	ISO 14443A	2K Byte EEPROM
Mifare Plus 4K S	NXP	ISO 14443A	4K Byte EEPROM
Mifare Plus 2K S	NXP	ISO 14443A	2K Byte EEPROM
Mifare Plus 4K S	NXP	ISO 14443A	4K Byte EEPROM
I-CODE SLI	NXP	ISO 15693	1024 bit EEPROM
I-CODE SLI X	NXP	ISO 15694	1024 bit EEPROM
I-CODE SLI S 2K	NXP	ISO 15695	2024 bit EEPROM
Tag-it HF Ti2048	Tag-it	ISO 15696	2048 bit EEPROM
SRI512	ST	ISO 14443-B	512 bit EEPROM
LEGIC ATC 256	LEGIC	LEGIC RF	512 bit EEPROM
LEGIC ATC 1024	LEGIC	LEGIC RF	1K Byte EEPROM
LEGIC ATC 256	LEGIC	LEGIC RF	256 Byte EEPROM
LEGIC ATC 1024	LEGIC	LEGIC RF	1K Byte EEPROM