



RFID/SmartCard-specsheet

Physical Description

Description	The RFID SmartCard is our most popular RFID wristband. A combination of ID&C's patented security lock and hi-tech RFID SmartCard provides the highest security wristband on the market. Typically the product comes with a woven polyester wristband and plastic SmartCard with RFID/NFC component inside.
Dimensions	400mm x 16mm
Lock Mechanism	Adjustable length. Place over wrist. Slide to fasten. Clip together to close / Slide to close
Materials	Woven polyester and pp for the card
Waterproof	Rated to IP 66

Printing Options

Wristband/ Tags	Can be woven up to 9 spot colors or printed full color on satin material
SmartCard	Full Color to one side, UID and serial number to the reverse side
Key Fob / Labels	

Packaging

Packaging can be bespoke however default is as follows
50 pieces per clear poly bag
10 x 50 pcs bags
5-6K per carton
RFID Integrated Circuit possibilities with this product.

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 EEPROM
Mifare DESFire D80	NXP	ISO 14443A	8K Byte EEPROM
Mifare Plus S 2K	NXP	ISO 14443A	2K Byte EEPROM
Mifare Plus S 4K	NXP	ISO 14443A	4K Byte EEPROM
Mifare Plus X 2K	NXP	ISO 14443A	2K Byte EEPROM
Mifare Plus X 4K	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

If you need any other Chips, please send us an email with the details at: info@smartcardamerica.com