



SHANGHAI STAR TREND ENTERPRISE CO., LTD.

Proximity chip card with contactless IC for access control system

Overview

RF (radio frequency) ID (identification) proximity card is also called **contactless IC card** or proximity chip card. It consists of a chip and an antenna that are sealed in a card made of standard PVC, ABS PET material or other material without any exposed parts. The read-write process is fulfilled by the radio wave between IC coupled resonator circuits and reader. The RF protocols are ISO/IEC14443 (A /B /C.../F /G), ISO/IEC15693 and ISO/IEC18000-3 etc. Nowadays, the [contactless IC card](#) is widely used in the market and has become one of the most popular choices when people [buy plastic cards](#).

Applications

- Access card
- Bus pass card
- Casino card
- Employee card
- Identification card
- Hotel room card
- Loyalty card
- Membership card
- Rechargeable card





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Specifications

Product	PROXIMITY CHIP CARD
Material	PVC, PET, ABS
Dimension	CR80 (85.7mm x 53.9mm)
Working frequency	13.56 MHz
RF chip options	LF: TK28, TK4100 EM4200, EM4305 ATMEL T5567 HiTag 1, HiTag 2, HiTag S HF: Mifare Classic 1K, 4K Mifare DESFire 2K, 4K, 8K Mifare Plus S2K, S4K Mifare Ultralight EV1 FM11RF08, FM11RF32 I-Code SLI Legic MIM256 Tag-it TI2048 UHF: ALIEN IMPINJ NTAG
Power supply mode	Passive
Working temperature	-25C to 70C
Reading distance	Up to 10cm
Endurance	100,000 cycles



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Thickness	760 / 860 / 880micron
Finish	Glossy / matt / frosted
Printing	offset (CMYK) silk screen (spot color, metallic, highlight UV varnish)
Magnetic stripe	LoCo 300oe/ HiCo 2750oe 3 tracks, 12.7mm width Black, Gold, Silver
Signature panel	White / Transparent
Personalization	UID printing (ink jet, D.O.D, laser engravement) Numbering (serial, barcode, QR code) Encoding (magnetic stripe)
Packing	Neutral packaging 200 cards per unit box 2,000/ 3,000/ 5,000 cards per master carton
Gross weight	32kg per master carton (5,000 cards)
Volume	0.03cbm per master carton (5,000 cards)