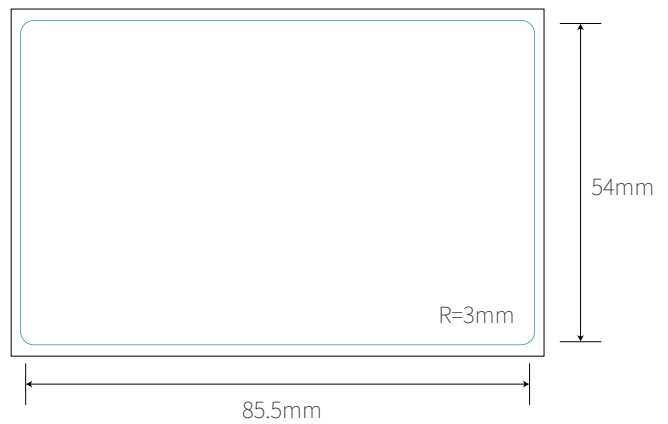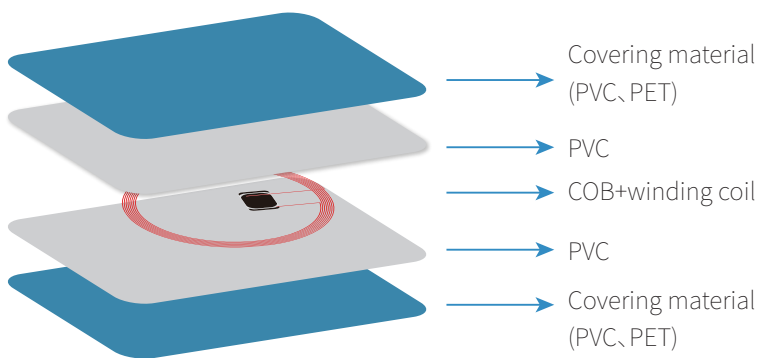# T5577 RFID Card- spec sheet

T5577 RFID Card is a common 125 kHz LF RFID card, using ATMEL imported original ATA5577 (T5577 for short) chip. Unlike EM4200 and TK4100 card, the T5577 card is a rewritable card in which you can rewrite the data.

The storage capacity of the T5577 card is not very large, but it has a rich and flexible configuration and working mode. For example, there are three access modes you can set: direct access, request access, or password access. Moreover, this card has the characteristics of good protection and safety. The same card does not allow communication and data exchange on the T5577 reader with different configurations or working modes. Most importantly, the T5577 RFID card has a high-cost performance in the read-write cards family.

Parameters

Item	T5577 RFID Card	Color	Customizable	Working Temperature	-25℃ to 65℃
Material	PVC、PET	Size	CR80 (85.5*54mm) or Custom	Data Retention Time	10 years
Chip	T5577	Crafts Available	Logo or number printing, Bar code, QR code, etc.	Printing Options	Silk-screen printing, Laser Engraving, CMYK full color, Pantone, etc.
Frequency	125 kHz	Reading Distance	0-10m		
Protocol	ISO18000-2	Write Endurance	100000 times		

Dimensional Diagram

Covering material (PVC、PET)
PVC
COB+winding coil
PVC
Covering material (PVC、PET)

54mm
R=3mm
85.5mm

Available chips

LF 125kHz Chips

Chip Name	Protocol	Capacity	Frequency
TK4100	ISO 11784/11785	64 bits	125 kHz
EM4200	ISO 11784/11785	128 bits	125 kHz
EM4305	ISO 11784/11785	512 bits	125 kHz
T5577	ISO 11784/11785	330 bits	125 kHz

Features

The Atmel ATA5577 is a contactless read/write identification IC for applications in the 125 kHz or 134 kHz frequency band. A single-coil connected to the chip servers as the IC's power supply and bi-directional communication interface. The antenna and chip together form a transponder or tag. Here are some typical characteristics as following:
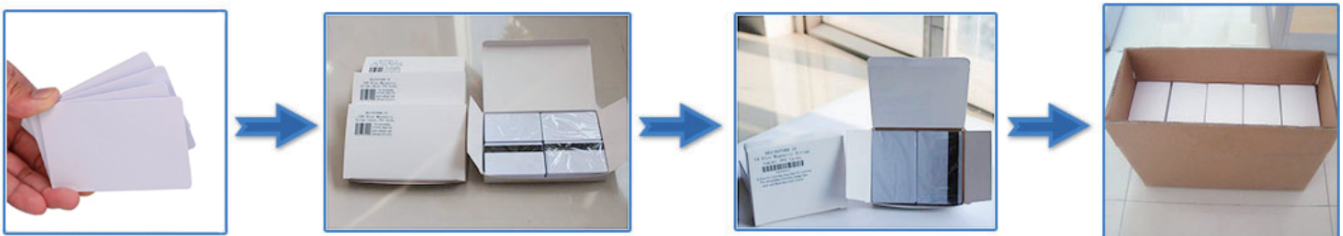
▶ Contactless power supply

▶ Contactless Read/Write data transmission

▶ Basic Mode or Extended Mode

▶ Compatible with the Atmel T5557, ATA5567

▶ Replacement for Atmel e5551/T5551 in most common operation modes

▶ Configurable for ISO/IEC 11784/785 compatibility

▶ Total 363 bits EEPROM memory: 11 blocks(32 bits+1 lock bit)

▶ High Q-antenna tolerance due to in options

▶ Adaptable to different applications: access control, animal ID and waste management

T5577 RFID CARD APPLICATIONS

Thanks to the unique stable performance and good encryption performance of the T5577 chip, T5577 proximity card is widely used in various forms of identification, especially in the transportation, health communication, education, entertainment, etc. For example, as follows:

- Hotel inductive smart door lock card
- Health insurance card
- Campus ID card
- Enterprise/factory attendance card

- Gas card
- Entertainment card
- Club card
- Supermarket membership card

Packaging and shipping

Volume	Chip Card: 200pcs cards with chips in one box, 2000/3000pcs per carton Common Card: 250pcs per box, 2500/3000pcs per carton Inkjet White Card: 230pcs per box, 3450pcs per carton
Weight	Chip Card: 6.5KG for 1000pcs Common Card: 6.0KG for 1000pcs
Carton Size	49*23*16CM (for 2000/2500pcs) 49*23*20CM (for 3000pcs) Special demands for packing available.
Delivery Time	Generally, 3 days for DHL/FedEx/UPS, 10 days for air shipping,18 days for sea shipping.
Shipping	DHL/TNT/FEDEX /UPS ,By Air / Sea or as required