

TK4100 Chip Card-spec sheet



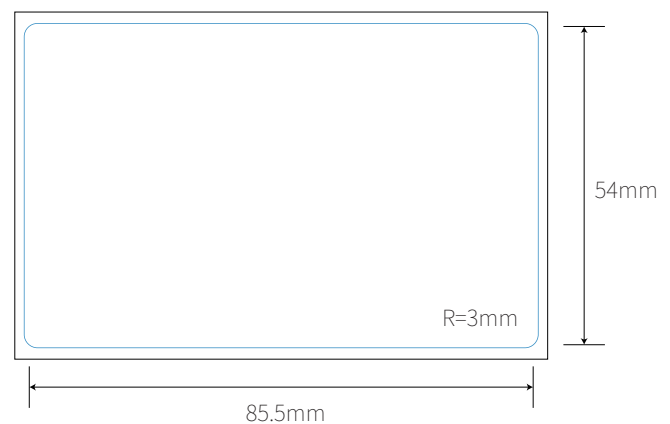
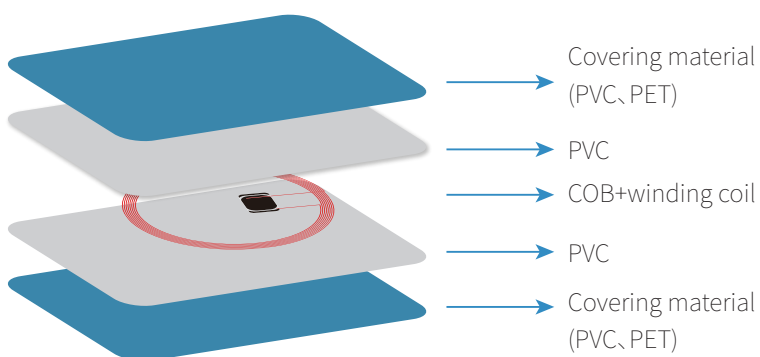
TK4100 Chip Card is a kind of read-only contactless smart card , working on 125KHZ frequency. It does not require a built-in power supply and can use without contact and has a long service life.

TK4100 Chip is completely compatible with EM4100/EM4200, and they are very similar in performance and usage. Compared with the EM4100/4200 card, TK4100 chip card is much cheaper and very competitive in price.

Parameters

Item	T4100 RFID Card	Color	Customizable	Working Temperature	-25°C to 65°C
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



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

TK4100 chip card is often made of PVC or PET material and the size of a standard TK4100 card is 85.5mm*54mm. The TK4100 chip plays a central role which directly determines the performance and function of this card. TK4100 is a CMOS integrated circuit for using in 125 kHz read-only RFID cards. It is compatible with EM format. TK4100 chips data modulating and transmission is coded by Manchester modulation format. The programming of the chip is performed by laser fusing of polysilicon links in order to store a unique code in each chip. No requirement of buffer capacitor for low power consumption of logic control core. Other features as follows:

- ▶ 64-bit memory array laser programmable
- ▶ On-chip voltage limiter
- ▶ Full-wave rectifier on chip
- ▶ Large modulation depth due to a low impedance modulation device
- ▶ Operating frequency 100-150kHz, typical frequency: 125kHz
- ▶ On-chip 480PF resonance capacitor
- ▶ On-chip supply buffer capacitor
- ▶ Low power consumption
- ▶ Very small chip size convenient for implantation

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