

## Hitag2 Chip Card- spec sheet



Hitag2 chip card, one of LF Proximity Card, operates on 125 kHz. Compared to the other 125 kHz RFID cards, the Hitag2 chip card is a little expensive, but it has better safety performance and RF performance. It has a storage capacity of 256 bits and the data may be transmitted enciphered.

Besides, the Hitag2 chip has multi-mode capabilities, can operate on different read and write devices and baud rates, and supports multiple communication protocols, that the reason you can see it in various contactless applications.

### Hitag 2 Chip Card Features

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- ▶ Data transmission and energy supply via RF link, no internal battery
- ▶ Reading distance same as writing distance
- ▶ Non-volatile memory of 256 bits (128-bit user data and 128-bit control data/secret memory) organized in 8 pages, 4 bytes each
- ▶ 10 years non-volatile data retention
- ▶ 10000 erase/write cycles
- ▶ Selective read/write protection of memory content
- ▶ Two coding schemes for read operation: Biphasic and Manchester coding
- ▶ Effective communication protocol with outstanding data integrity check
- ▶ Mutual authentication function

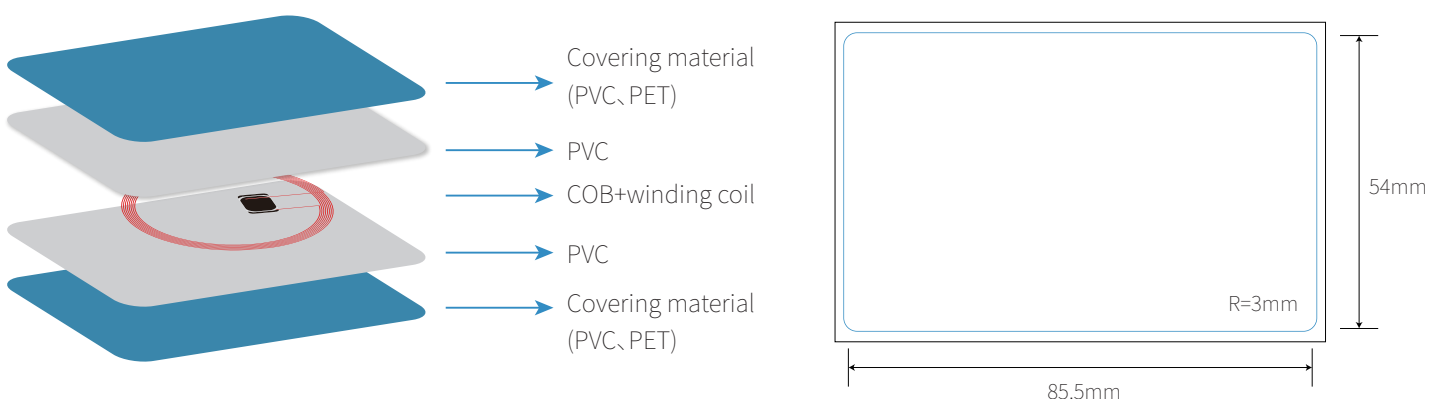
#### Read/write mode allows:

- Plain data transmission (password mode)
- Encrypted data transmission (crypto mode)

#### Emulation of standard industrial read-only transponders:

- public-mode A (MIRO and transponder from  $\mu$ EM (H400x)
- Public-mode B (according to ISO 11784 and ISO 11785 for animal identification)
- Public-mode C (PIT compatible mode)

#### Dimensional Diagram



## Available chips

### LF 125kHz Chips

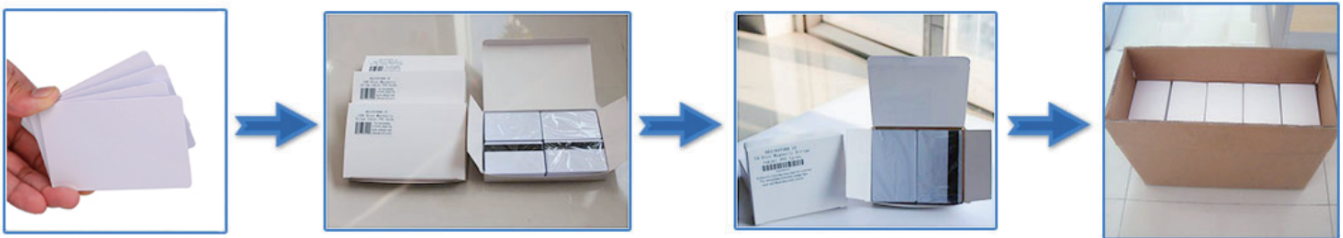
Chip Name	Protocol	Capacity	Frequency
TK4100	ISO 11784/11785	64 bits	125 kHz
EM4200	ISO 11784/11785	128 bits	125 kHz
EM4305	ISO 11784/11785	512 bits	125 kHz
T5577	ISO 11784/11785	330 bits	125 kHz

## Hitag 2 Chip Card Applications

In addition to the general application of access control, the HITAG2 chip card is also widely used in the following applications:

- ▶ Logistics
- ▶ Casino – gambling
- ▶ Asset tracking
- ▶ Livestock tracking
- ▶ Industrial automation
- ▶ Gas cylinder ID

## Packaging and shipping



<b>Volume</b>	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
<b>Weight</b>	Chip Card: 6.5KG for 1000pcs Common Card: 6.0KG for 1000pcs
<b>Carton Size</b>	49*23*16CM (for 2000/2500pcs) 49*23*20CM (for 3000pcs) Special demands for packing available.
<b>Delivery Time</b>	Generally, 3 days for DHL/FedEx/UPS, 10 days for air shipping, 18 days for sea shipping.
<b>Shipping</b>	DHL/TNT/FEDEX /UPS ,By Air / Sea or as required