

SNR-K750L

Card Dispenser & Recycling Module



Overview:

Compact card dispensing and recycling module for self-service kiosks that need automated card issuance, collection and reuse. Supports optional RFID reader/encoder integration for applications such as hotel self check-in, visitor management and access control.

- *Card Dispensing & Collection
- *Card Recycling for Reuse
- *50 / 100 / 150 Card Capacity Options
- *Optional RFID Reader / Encoder Integration

I. Brief Introduction

This product adopts industrial design, good resistance to abrasion and corrosion, fit for high or low temperature and dusty environments. It has multiple card stay position, and channel is plastic material. Reserves card reading module install position. Simulation manpower friction card issuing makes most deformed card recognized. Active stacker installation space can let you manage cards more effective. Six shifts card space adjustment is our patented technology used for issuing cards with different thickness, and CNC precision ensures absolute unanimity of card space. Support Mifare 1 standard card read, write, issue and collect.

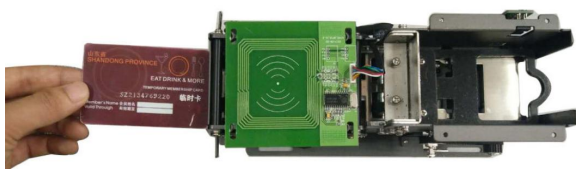
II. Functions

- **Usage:** Support Mifare 1 ISO15693 , ISO1443A standard card read, write, and issue and collect.
- **Preventing dispensing double card simultaneously:** Up gear and down gear swirl in different direction, and friction dispensing card can avoid dispensing double card at the same time, even suitable to some distorted cards.
- **Stable card dispensing rate :** Special friction dispensing structure and wear-resisting plastic wheel ensure card dispensing successful anytime.
- **Non-metal channel:** Non-metal dispensing channel ensure card reading performance of contactless card not be affected.
- **Card empty and pre-empty detect function and sound alarm**
- **Card stand position:** Many card stand positions to satisfy customer requirements
- **Communication interface:** RS232 serial interface, suitable for multiple machines

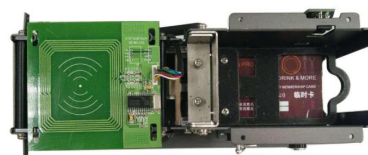
✕ SPECIAL FUNCTION DESCRIPTION.

Collect card: Collect card to card issuing box from front gate of dispenser

Advantage: Not required big volume for card stacker, and cards can be circulated.



Insert card from the front bezel



Automatically indrawed the card to card stacker

III. SPECIFICATION AND PARAMETER

- **Operation Power :** DC 24 V (MAX CURRENT 3A, Static current 100mA)
- **Operation Temp:** 0 °C to 50°C
- **Operation Humi:** 30~90% (Relative Humidity)
- **Interface:** RS232
- **Operation Condition :** Install in the cabinet, control by protocol command
- **Card Size :** Width: 54 ± 0.5 mm Length : 85 ± 0.5 mm
Thickness: 0.7~1.3 mm
- **Card Material:** Paper card and PC card
- **Support contactless IC card type:** ISO14443、ISO15693、TYPEA、TYPEB contactless card reading and writing
- **Card hopper capacity:** 50 pcs standard cards(Thickness 0.76mm)
- **Few card alert:** 10pcs card

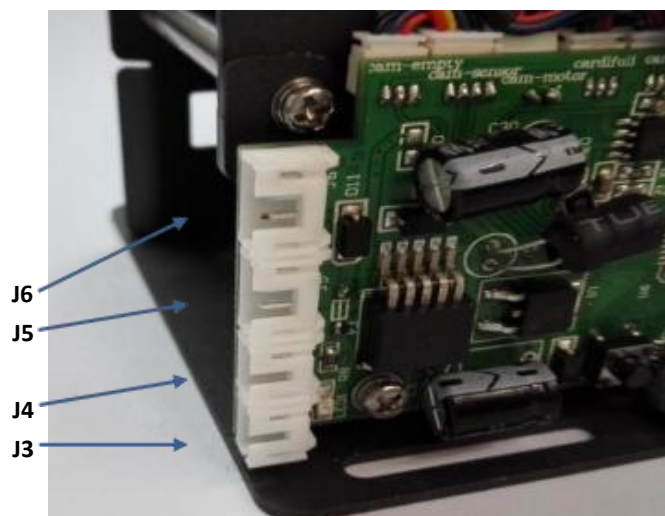
Applications:

1. Hotel room card solution
2. Parking lot management system
3. Automatic vending system
4. Subway or public transportation card issue
5. Park ticket vending system
6. Card initialization issue



IV.INTERFACE EXPLANATION AND DRAWING

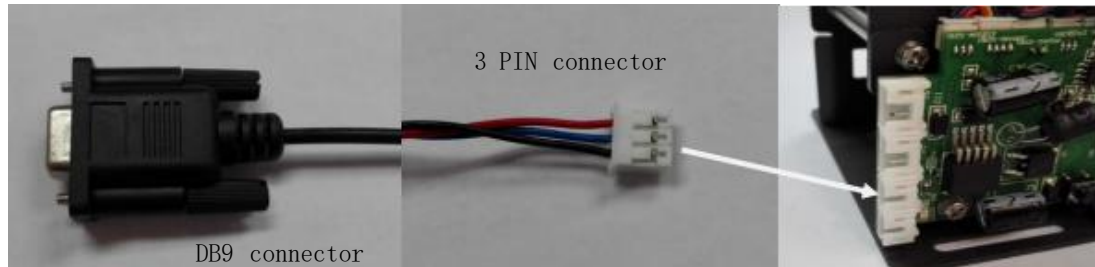
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J3, J4= Communication interface; J5, J6= Power connect interface

1, RS232 serial port connecting instruction for K750.

- A. Find the accessory of DB9 data cable and connect the DB9 connector to the PC。
- B. Connect the other side of the accessory data cable to the communication interface on the back PCB board of K750 with 3PIN connector (Red wire is TXD, Blue wire is RXD, Black wire is GND)



DB9 Connector to the PC



TTCE Serial communication cable

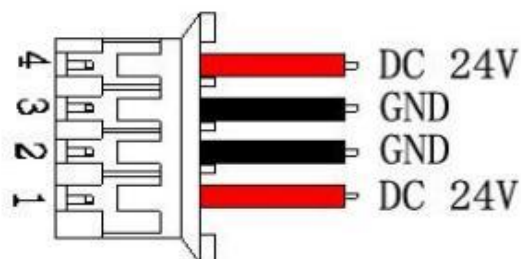
TTCE 3PIN connector to K750



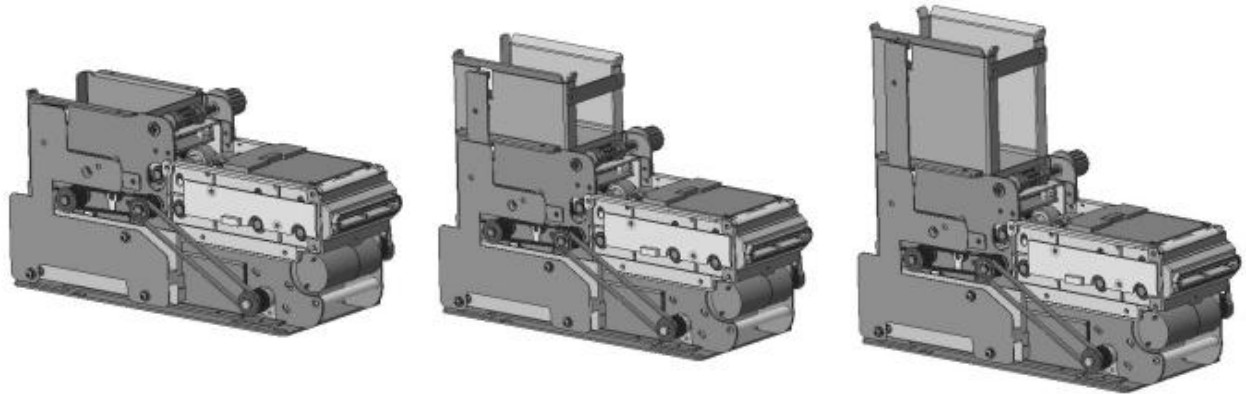
K750 Right back of the PCB boards

2, TTCE Power cable

Power cable plug



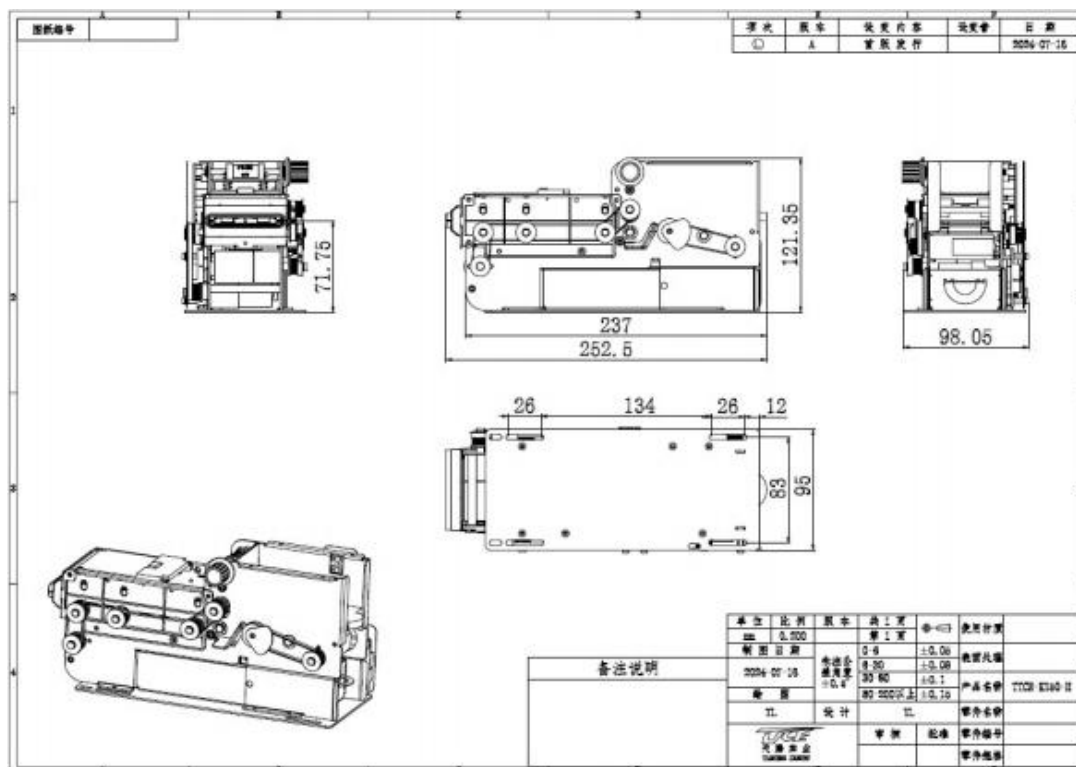
V.INSTALLATION AND STRUCTURE DRAWING



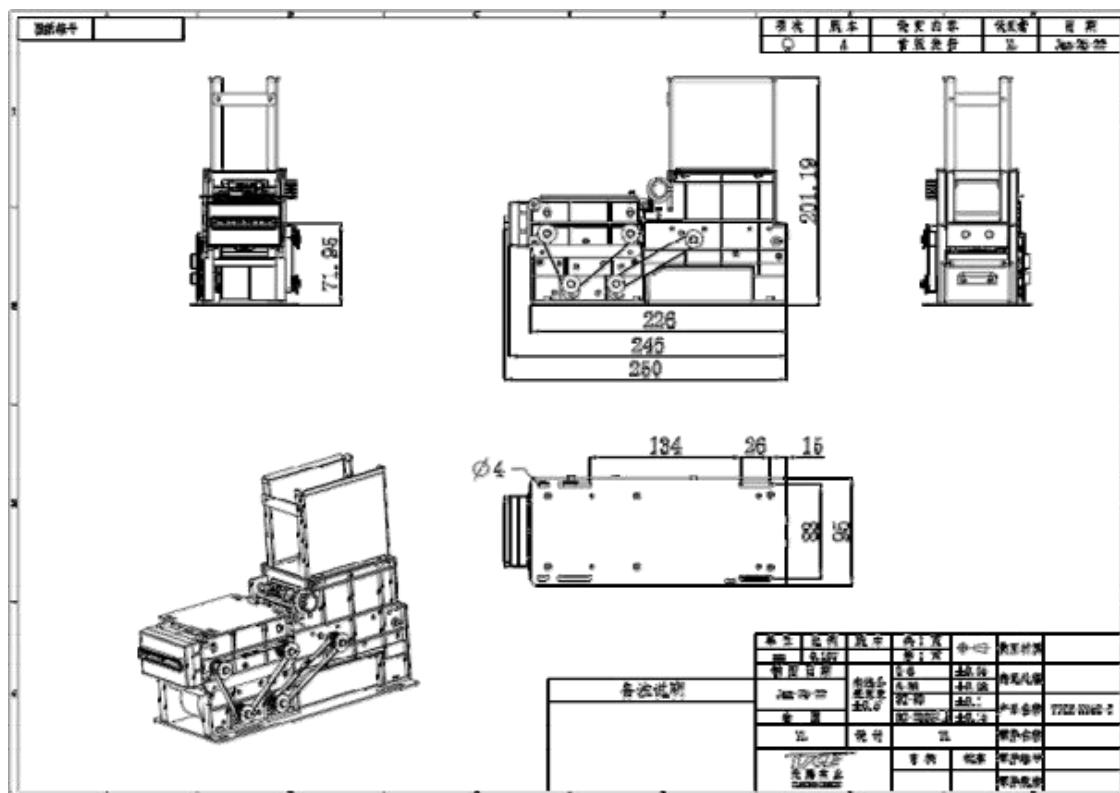
50PCS

100PCS

150PCS



(50pcs)



(150pcs)

VI.CAUTION DURING OPERATION

- 1) When connecting interface, please connect with communication interface first, then power interface. And then power on.
- 2) To make your product safe, the input voltage please not above 40V.
- 3) Please set BPS rate correct. EX-work set is 9600bps.
- 4) During operation, card insert direction should be correct
 - a) When inserting magnetic card, magnetic stripe should face down and insert on the right side.
 - b) When inserting IC card, chip should face up. If insert from the front, the end close to chip should be inserted into card reader first. If insert from the rear, the end away from chip should be inserted into card reader first.
 - c) When inserting RF card, directions are not considered. But it can only be operated at RF position.
- 4) When there is card in the machine, error message will be given if inserting card again. And motor door will not open.
- 5) When shutting off power, power interface should be shut off first, then communication interface.
- 6) Power off during operation or other abnormal reason lead to card staying in the machine and cannot be taken out, please take out card by pulling belts manually.

VII. Mantainace

1. Transmitter maintenance

- a) Select "Check transmitter status" in "card reader control command screen".
- b) In normal condition, information of 5 transmitters in text box will all show "No card".
- c) If one or several transmitters show "Have card", maybe they are covered with dirt.
- d) Should disassembly card reader and clean it.

Magnetic head maintenance Use cleaning card to clean magnetic head in card reader.

3. Detecting pin contact maintenance Dirt on the detecting pin of IC card makes machine not connect well with IC card chip. You should disassembly machine to clean it. Please refer to "disassembly method drawing".

4. Gear maintenance Check gear periodically and clean dirt with alcohol.

VIII. WARRANTY

1) Our products have one year free warranty. Warranty period starts from the date that users receive products.

Repairing method is that users send products to our factory for repairing.

3) After the warranty period, our company will still provide after sale service. In case it is involved with changing parts, our company will charge a certain material cost. But for the below condition even in the warranty period, our company will charge a certain repairing fee in repairing.

- a) Damage or trouble caused by human error after purchase;
- b) Damage or trouble caused by operation of unprofessional technician;
- c) Damage or trouble caused by unstable outer power or voltage;
- d) Trouble and damage caused by force majeure such as earthquake etc.