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USERS MANUAL

Model No. TTCE-K720

Version

3.0

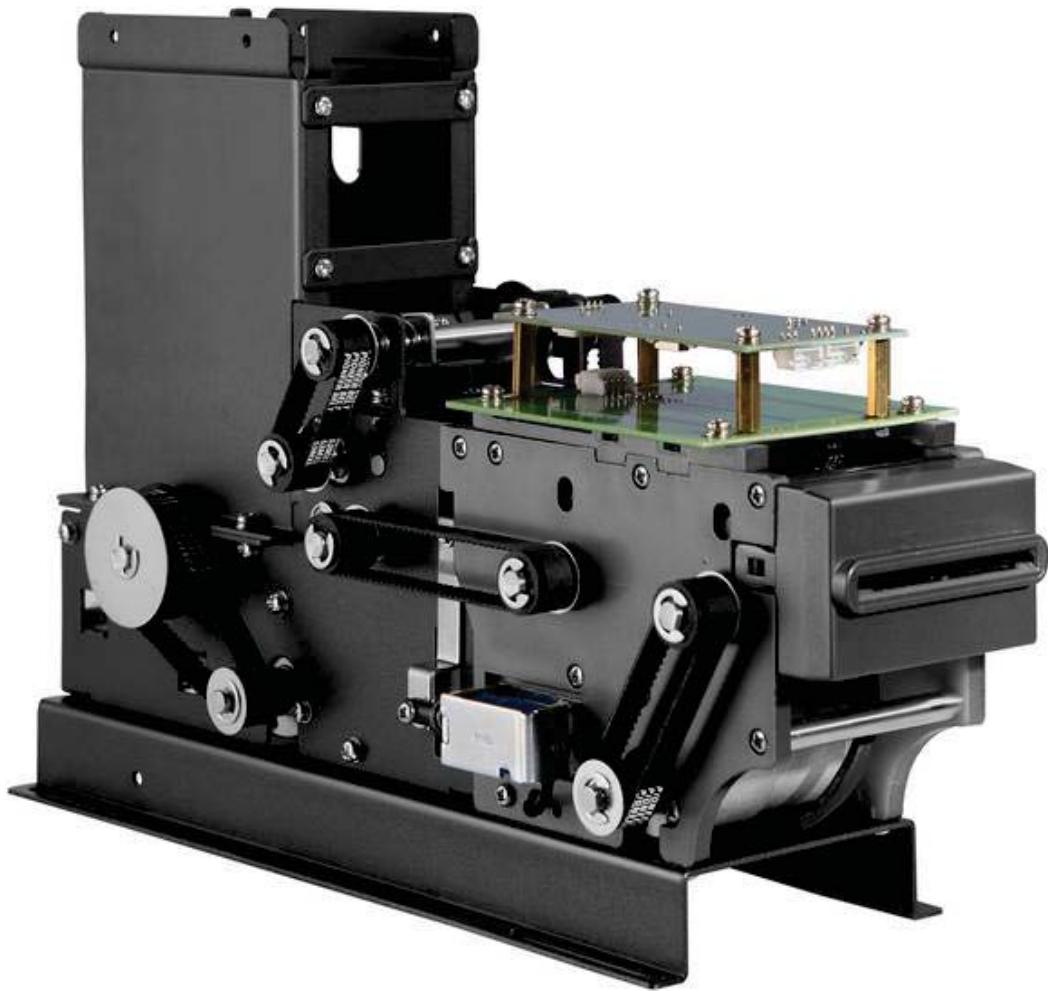
Date

2016-8-17

K720 RF Card Dispenser User Manual

Date: 2016-08-17

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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.

II Technical data

Subject	Content
Operation power	24VDC (Max current 2A, static current 0.1A)
Operation temperature	0 °C to 50 °C
Operation humidity	30-90% (RH)
Interface	RS232
Card stay position	Multiple card stay position control
Operation condition	Install in the cabinet
Card size	Width: 54 ± 0.5 mm Length : 85 ± 0.5 mm Thickness : 0.2 – 2.0mm Adjustable Card material : paper card or polyester card
N.W	2.0Kg (Include card holder)
Stacker capacity	150pcs standard cards based on the thickness of 0.76 mm
Few card Alert	7~50pcs (0.76mm thick, Preset qty is 15pcs)
Install dimension	Refer to product structure drawing

III Main functions

- 1) Card empty and pre-empty detect function and sound alarm
- 2) Capturing card through a special card retrieving box.
- 3) 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.
- 4) Can issue all cards in the stacker in normal condition. Most distorted cards can be issued by using card holder.
- 5) Especially suitable for issuing thin paper cards, and card dispenser can also be set according to customers' requirement.
- 6) Card thickness adjustment is convenient, precise and easy to operate.
- 7) RS232 control interface. may make multiple machine communication.
- 8) Pre-dispensing function accelerates the speed and ensures the continuous card issuing.
- 9) Read/write mifare 1 standard card.



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IV Interface (RS232interface)

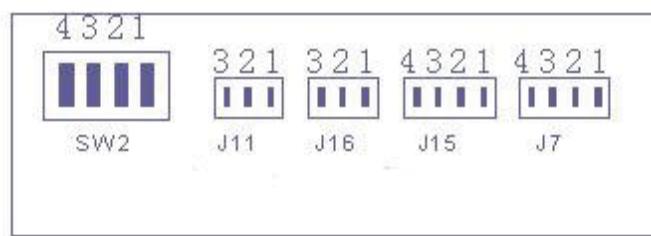
4. 1 Power interface

POWER-ZIP (J7、J15)		
PIN-NO	Input	Requirements
2、3 pin (middle) [2 Blackwire]	GND	Connect to ground
1、4 pin (sides) [2 red wire]	VCC	DC24V Above 1.5A current

4. 2 RS232 interface

RS232-ZIP (J16、J11)		
PIN-NO	Input	Requirements
1 pin (Right)	GND	Connect to ground
2 pin (Middle)	RXD	RS232 level
3 pin (Left)	TXD	RS232 level

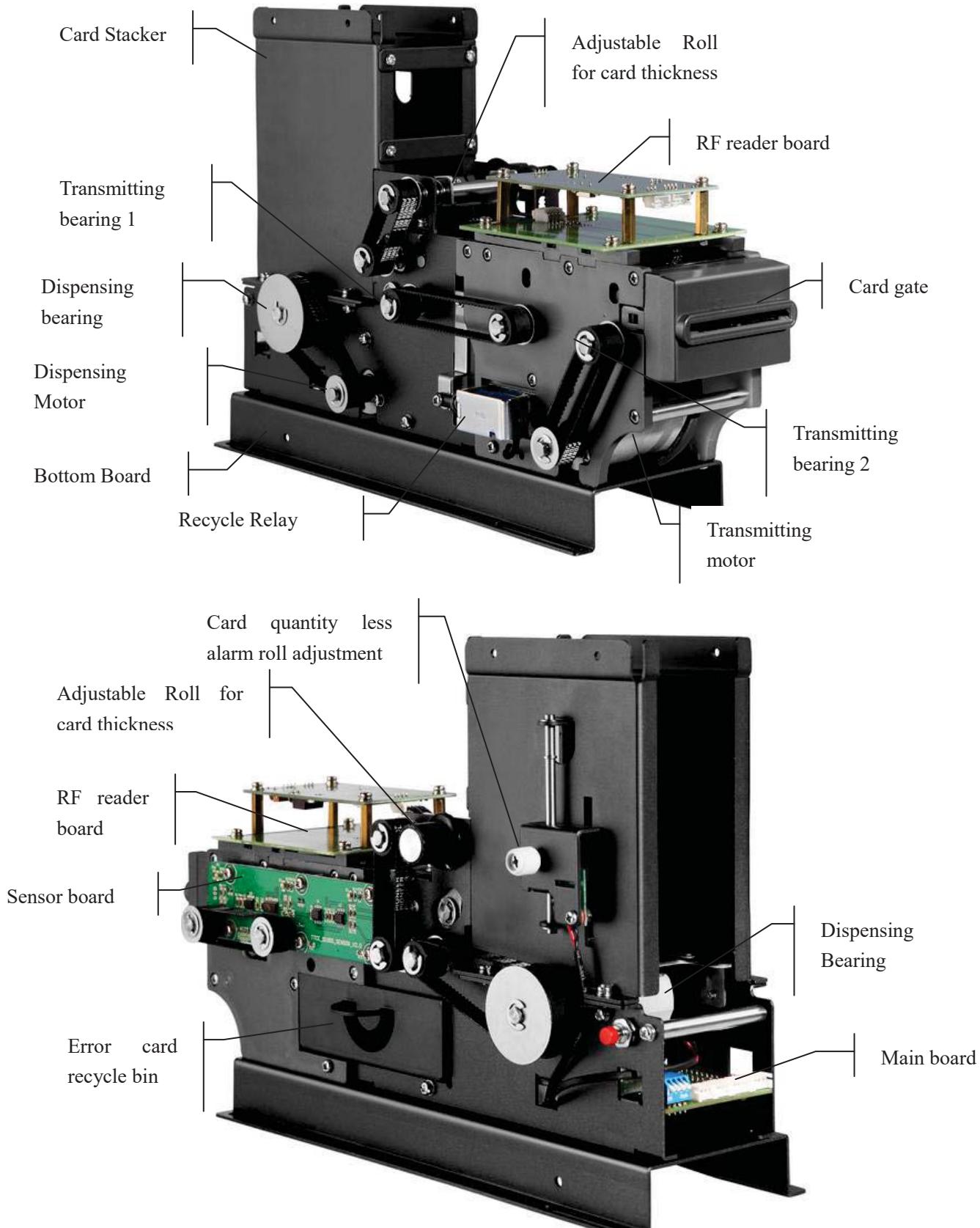
4. 3 Interface drawing



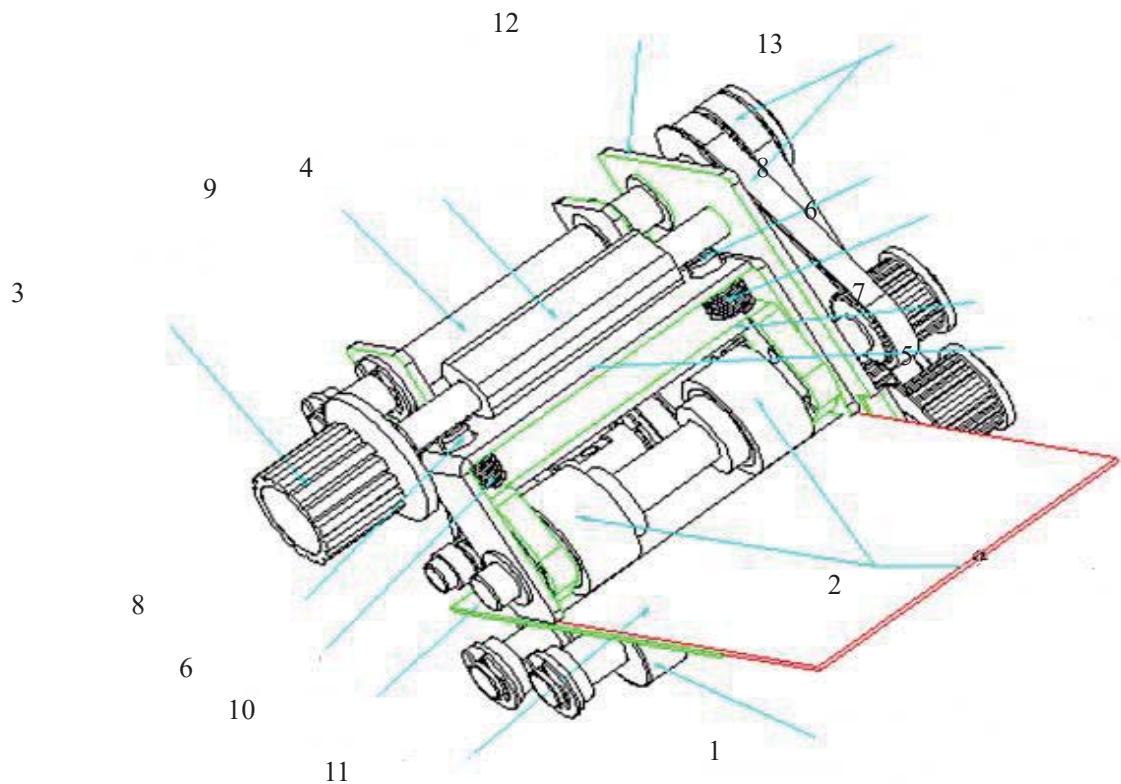
Note:

- (1) RS232-ZIP: two same RS 232 communication interface, one is used to connect with extended machine
- (2) SW2: switch button used to allot address of card dispenser. Setting method please refer to card machine address setting
- (3)POWER-ZIP: two POWER-ZIP , one is used for input and the other is used for output, which is optional.

V Components introduction



Card space adjustment drawing

**1. Card space down wheel****2. Card space up wheel****3. Adjustment rotating button****4. Cam wheel shaft****5. Card space adjusting plate****6. Spring****7. Card space baffle plate****8. Spring column****9. Rotator****10 issued card****11. Retrieved card****12. Right side board****13. Belt**



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VI Maintenance and caution

8.1 Daily maintenance

After card dispenser uses long period or dispenses a certain quantities of card, some part will have great abrasion through long time operation. Then it is necessary to maintain card dispenser. The procedure is as below:

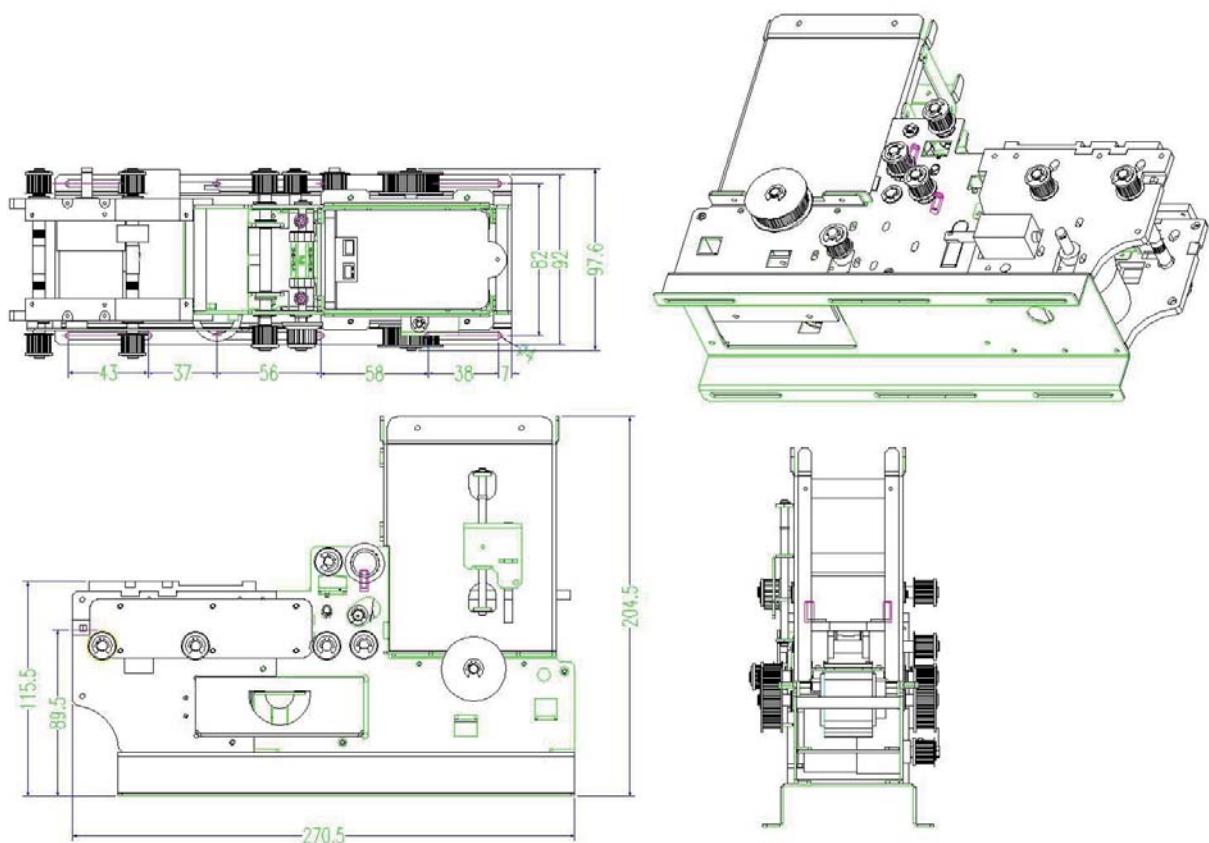
- 1) Check if parts of card dispenser are loose or abnormal. If so, please fasten or repair immediately.
- 2) Check if the belts are loose. If so, please adjust the position of wheel.
- 3) Use cleaning card or soft cloth dipped with alcohol to clean up wheels at the bottom of card cabinet.
- 4) Pick out cards with greasy surface and distorted cards. Use soft cloth dipped with alcohol to clean cards with greasy surface. If distorted cards cannot be repaired, you need to change cards.

8.2 Caution

- 1) When opening host machine or cabinet to repair, power connected with card dispenser must be shut off to avoid damage machine.
- 2) Be careful of the difference of power positive and negative in the first power-on.
- 3) Notice the jumping line explanation in the first use. Wrong jumping line may cause machine unable to work or uncertain status.
- 4) Forbid hot-plugging connecting socket in the port. Hot-plugging is easy to damage control circuit.
- 5) Keep card dispenser clean, no oil. Greasy binder may damage the performance of card dispenser greatly.
- 6) There is a red hand-operated soft reset button at the rear down position of card dispenser body side. Field operator can adjust by hand when there is error or abnormal condition in the field operation. In normal condition please do not use it.
- 7) Resetting button can be used to sort cards in stacker and reclaim cards hand-operated.
- 8) Resetting button has overtime protection. Hold and press the button, motor will stop operating automatically to protect motor.

VII Warranty

- 1) Our products have one year free warranty. Warranty period starts from the date that users receive products.
- 2) 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 replacing parts, our company will charge a certain material cost. But for the below condition even in the warranty 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.

VIII、K720 install drawing

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.