

	SPECIFICATION		Model	RCR-2500
	Manual insert card reader		Date	2018/2/11
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3 in 1 Manual Insert Card reader

User Manual



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1.Introduction :

This products adopts industrial design, good resistance to abrasion and corrosion, fit for high or low temperature and dusty environments. Bayonet smooth, make sure it has very good adaptability for all kinds of deformation card. Electric lock will lock card after inserted completely, ensure the card was ejected via command after the reading writing operation completion. Avoid wrong operation .There are two size front mounting rack for your different choice. Also support multiple card read write.

Magnetic card : support ISO7810, ISO7811-1,ISO7811-6, ISO7812, ISO7813 and ISO15457 standard card read.

IC card : Support ISO7816 normal memory card, Logic encryption card, smart card (CPU card)

RF card: Support ISO1443 TYPEA TYPEB contactless card read write.

2.Specification :

Items	Contents
Power supply	5VDC _24VDC(Max current100mA,Static current 30mA)
Operation temperature	-20 °C to 85 °C
Operation Humidity	30-90%
Interface	RS232/USB for option
Insertion position	Fix position
Operation condition	Installed in the operation cabinet
Magnetic card	Above 800,000 passes
IC life	Above 500,1000passes
Card	Wide : 54 ± 0.5 mm Length : 85 ± 0.5 mm thickness: 0.7-1.2mm Card Material: Paper card or polyester card
N/W	200g

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3.Features and Functions :

Features:

1. IC/RF card read/write ,magnetic card reader
2. Auto lock structure
- 3.Dusty proof cover design, obviate eyewinkers and broken card
4. Manual /auto card ejection
5. Long life with landing contact
6. Diversified bezels ,bracket
7. Provide custom-made service

Application:

1. Multimedia kiosk
2. Multimedia kiosk
- 3.Access control system
- 4.Vending machine
- 5.Gaming machine
- 6.Refueling terminal

Functions:

- 3.1、 With power indication light and signal indication light.
- 3.2、 Smooth card guide devise:, reliable, precise, steady.
- 3.3、 Eyewinkers prevention: Half landing IC card contact with powerful self-cleaning function, one side open design, automatically obviate eyewinkers and broken card.
- 3.4、 Read/write card type:
Contact IC: SLE4442 /SLE4428、 AT45041、 AT1604、 AT102、 CPU、 SAM、 AT24Cxx
(eg: AT24C01A/02/04/08/16/32/64);
Contactless IC card: ISO14443 TYPE A;
Magnetic card: ISO7811
- 3.5、 Dual card slot, CPU card and SAM car mutual authentication, ensure the legitimacy of cardholder, card, equipment and application systems.
- 3.6、 RS232 /USB control mode

4.Interface specification :

- 4.1、 Card ejection power supply interface specifications:

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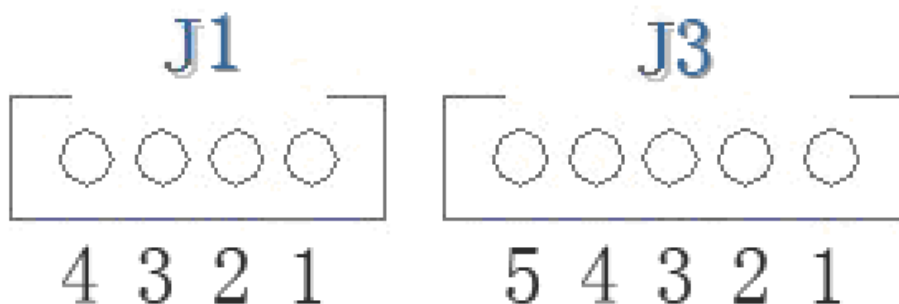
POWER-ZIP(J4)		
PIN-NO.	Input	Requirement
1、4pin	VCC	DC12V 1A
2、3pin	GND	Grounding

4.2、RS232/USB interface :

RS232-ZIP(J5)		
PIN-NO.	Input	Requirement
1pin (pull over)	NCC	
2pin	VCC	+5V
3pin	GND	Grounding
4pin	RXD	RS232
5pin	TXD	RS232

RS232-ZIP(J5)		
PIN-NO.	Input	Requirement
1pin (pull over)	NCC	
2pin	VCC	+5V
3pin	GND	Grounding
4pin	D-	TTL
5pin	D+	TTL

4、3 Interface draft:



4.4、Specification :

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(1) J1(4P) 12V (only for eject card power supply)

(2) J3(5P) Communication interface :

5、RS232/USB Communication mode instruction :

5.1、RS232 interface

5.1.1、Communication format

Baud rate (BPS) : 9600 BPS

Communication type: Asynchronous communication

Transport type: Half duplex

5.1.2、Data frame structure

Start bit: 1 bit

Data bit: 8bit

Check bit : no

Stop bit: 1bit

5.2、USB Communication interface:4

5.2.1、Communication mode: USB , The custom HID equipment.

6、Product maintenance:

5.1、The mag head maintenance: Heads should be regularly maintained. Repeatedly swap cards which dipped in alcohol to keep it clean.

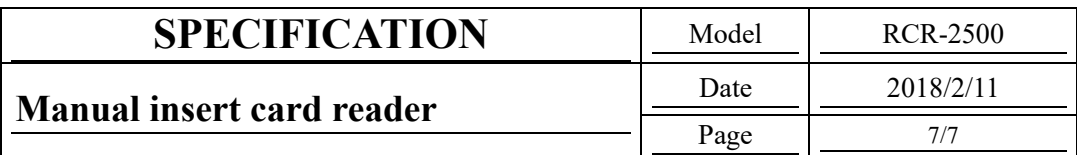
5.2、IC probe head maintenance: IC probe head dirty ,same way as point one to clean it .

1) First, you must cut off power supply to avoid machine damage.

2) Keep the machine clean without oil, oily glue can severely affect the performance of the machine.

3) Due to the nature of manual card read, especially set up magnetic card data actively upload/ magnetic card data passively upload.

4) When use it , do not touch the mag head and cable, or will cause card read error problem.



- 5) Customers can set the magnetic card read card mode with magnetic stripe card setting command.
- 6) IC Card insertion direction: IC chip Facing up and keep it front side .
- 7) Magnetic card insertion direction: Magnetic stripe facing down right into the reader.

7、 Draft

7.1

