

RFT-200 SERIES

DESKTOP RF CARD READER



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1. OVERVIEW

RFT-200 series card reader can read 125k EM card, provide RS-232, PS/2, USB, TCP/IP etc interface, it can be used in access control, public telephones, electric meters etc.

2. BASIC SPECIFICATION

MODEL	SERIES	FUNCTION	APPEARANCE	INTERFACE
RFT RF Card Reader	2	0: 125K Hz	0	0: RS-232 1: PS/2 2: USB 7: TCP/IP
MODEL	DIMENSION (mm)L*W*H		NOTE	
RFT-200-0	122*99*32 (mm)		125K reader, RS-232 interface	
RFT-200-1			125K reader, PS/2 interface	
RFT-200-2			125K reader, USB interface	
RFT-200-7			125K reader, TCP/IP interface	

3. SPECIFICATION

Voltage	+5VDC (±5%)
Current	<120mA
Card Type	125K card
Distance	0~7cm
Interface	RS232, PS2, USB, TCP/IP
Bard Rate	9600BPS
Temperature	Operating: 0°C~ + 60°C; Storage: -20°C~ + 60°C
Humidity	Operating: 20 %~ 90% RH; Storage: 5% ~ 95% RH
Dimension	122mm (L) x 99mm (W) x 32mm (H)

4. INTERFACE DEFINITION

1. RJ45 Crystal (RS-232)

RS232, Pinout:

Pin1 ---- GND

Pin2 ---- VCC (DC+5V)

Pin7 ---- RS232.RX

Pin8 ---- RS232.TX

2.RJ45 Crystal(PS/2)

- Pin1 ---- GND
- Pin2 ---- VCC(DC+5V)
- Pin3 ---- KEYBOARD.DAT
- Pin4 ---- KEYBOARD.CLK
- Pin5 ---- PS2.DAT
- Pin6 ---- PS2.CLK

3. RJ45 Crystal (TCP/IP)

- Pin 1 ---- TX+
- Pin2 ---- TX-
- Pin3 ---- RX+
- Pin6 ---- RX-

5. COMMUNICATION PROTOCOL

5.1 PS/2

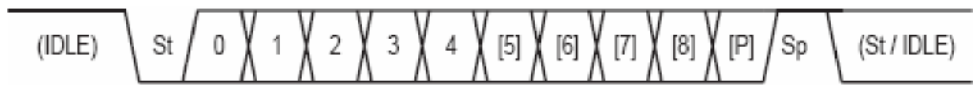
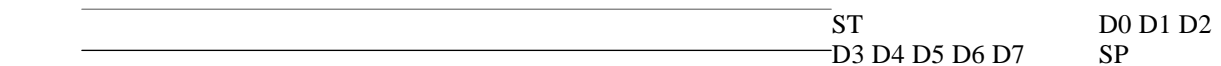
The card reader with PS/2 will check your PC keyboard after reading successful. If the keyboard is free and connected with PS/2, The protocol will send the ASCII code of tens digital or hex card number of 5 byte.

Shift make codes+	The make codes of the ASCII code	Enter make codes +
break codes	of tens digital +break codes	break codes

5.2 RS-232:

Serial Communication setting: Bound rate 9600, 8 bit data, checking (without), 1 stop bit. Communication frame format:

Start 1 bit Data bit 8 bit Stop bit 1 bit



RFT 200 will send the ASCII code of tens digital or hex card number of 5 byte after reading successful.



5.3

TCP/IP

RFT200-7 install TCP/IP driver (the setting method showed as RFT200 terminal operation instrument, There will be a virtual interface by the system and customer can make it as the common com to the software developing. And the format of the communication frame is the same as 5.2.

6. INCEPT SOFTWARE

RS-232: Any software which can incept serial communication

PS/2: Any window which can input the word, such as note book or word etc

USB: Any software which can incept serial communication

TCP/IP: Any software which can incept serial communication

7. READING INSTRUMENT

Put the induce card into the induce area of the card reader terminal. All the information got from the card will show in the receive terminal with RS-232, PS2 and TCP/IP interface. And there will be a beep, the light "OK" flicker at the same time. It means that the card already in the induce area, If they out of the area the light will off. Put the card in the induce area again they can be read again and will show the same warning as last time.