

IDP102R

MAGNETIC STRIPE CARD READER

RS232 Interface & Powered





1. OVERVIEW

IDP102R is compact size manual swipe card reader, with RS232 interface and powered With programming capability on Enable or change on Prefix, Suffix, LRC, etc

2. BASIC SPECIFICATION

Dimension: 90mm (L) x 27mm(W) x 28mm(H)
Weight: 85g (approx.)
Power Supply: +5V DC $\pm 5\%$
Power consumption: 40mA (max.)
Working Place: Indoor

3. SPECIFICATION

Card Standard: ISO7811/7812, AAMVA, CADMV
Interface: RS232
Card Thickness: Plastic $0.76 \pm 0.08\text{mm}$
Head Function: Read only 1.5mm
Operation Speed: 10 ~ 150cm/sec
Life of Head: 500,000 card passes (1 pass : one swipe)
Error Rate: 0.5% Less Than (JSE Test card)

4. ENVIRONMENTAL REQUIREMENTS

Ambient Temperature

Storage: -30°C to $+70^{\circ}\text{C}$
Operating: -20°C to $+70^{\circ}\text{C}$

Ambient Relative Humidity

Storage: 0% to 95% RH
Operating: 20% to 90% RH



5. INTERFACE

Pin No.	Signal Name	Function	Color
1	VCC	+5VDC	Red
2	RX	Receive data	White
3	TX	Send data	Green
4	GND	GND	Black

Communication: synchronous half-duplex
 Baud: 9600 bps
 Data Length: 8 digits
 Start: 1 bit
 Stop: 1 bit

6. DATA FORMAT

When swipe right, green LED shine one time, buzzer work one time, send data to host automatically

Data Format:
 Track I: (% DATA?)
 Track II: (; DATA?)
 Track III: (+ DATA?)
 CR

When swipe error, green LED shines three times, buzzer work three times, no data sent out.

7. DIMENSION DRAWING

