

# HCR350-C Series Hybrid Card Reader

- RS232 Interface -

Thank you for purchasing the HCR350-C series products.

The HCR350-C Serial Hybrid Card Reader series is ideal for retail systems, time keeping systems, security systems and other card reader related systems. The HCR350-C is designed to offer the user a hybrid card reader solution that will complement many applications.

## FEATURES

- EMV 2000 Level 1 certificate.
- Read/write CPU and Memory card.
- Light weight: 56g
- Compact size: 109L\*67W\*10H (mm) without SAM daughter board; 20H (mm) with SAM daughter board.
- Single, dual, or triple track versions allow for reading all types of magnetic cards, including credit cards and drivers licenses.
- Firmware upgradeable.

## CONFIGURATION

- HCR350-C33RH0XXX-XXX Triple track 1&2&3 and IC Card
- HCR350-C33RH4XXX-XXX Triple track 1&2&3 and IC Card with 4 SAM

Note: Optional configuration is available.

## AGENCY APPROVAL

- Specification for FCC Class A
- Specification for CE Class A
- Specification for BSMI Class A
- EMVCo Level 1 type approved

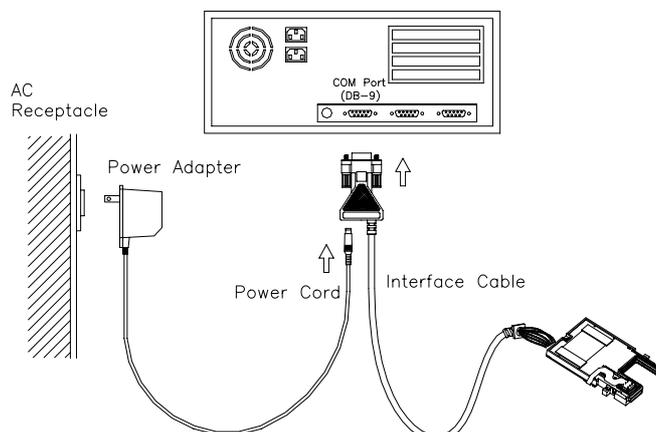
Taiwan BSMI Class A Notice:

警告使用者:

這是甲類的資訊產品,在居住的環境中使用時,可能會造成射頻干擾,在這種情況下,使用者會被要求採取某些適當的對策.

## SETUP

1. Turn OFF the power of the computer.
2. Connect the RS232 interface cable of HCR350-C to a free serial port of the computer.
3. Fit power cord into the DB9 connector of interface cable.
4. Plug in the power adapter to a proper AC outlet, please refer to the instruction on adapter for the proper voltage.
5. Turn ON the power of the computer.



**SPECIFICATIONS**

IC Card Type	ISO 7816-1, 2, 3, 4	Memory card: Synchronous type	CPU card: Asynchronous type, T=0 or T=1
Magnetic Card Type	ISO standard card	CA old DMV	AAMVA
	Read high or low coercivity magnetic stripes (300-4000oe)		
Card Operation Speed	4 to 40 in/sec		
Power Requirements	DC 5V $\pm$ 10%		
Operating Temp	-10°C to +50°C, storage temp: -30°C to +70°C		
Operating Humidity	15% to 90% relative humidity		
Magnetic Head Life	500K Min.		
IC Card Contact Life	500K Min.		
Dimensions	109L*67W*10H (mm) without SAM daughter board; 20H (mm) with SAM daughter board.		
Weight	56g		
Interface Cable	RS232: 1.5M, 9 pin D-sub female with molded power jack		

**PIN ASSIGNMENT**

DB9	SIGNAL	DIRECTION	PCB-J7	SIGNAL
1				
2	RXD	← Serial data to host	3	TxD
3	TXD	→ Serial data from host	5	RxD
4				
5	GND		2	GND
6			1	VCC
7	RTS	→ Clear to Send Data	6	CTS (Optional)
8	CTS	← Request to Send Data	4	RTS (Optional)
9				

**READER MODE FUNCTION**

There are four operation modes in HCR350-C.

Mode	Supported Function
1	EMV smart card & Magnetic stripe card
2	Magnetic stripe card
3	ISO7816 smart card & Memory Card
4	ISO7816 smart card & Memory Card & Magnetic stripe card