

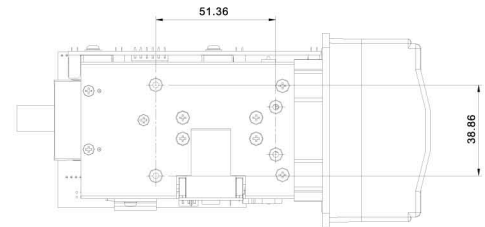
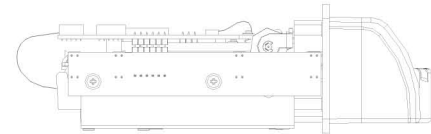
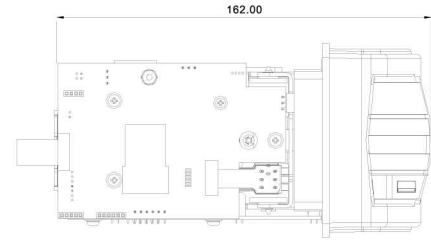
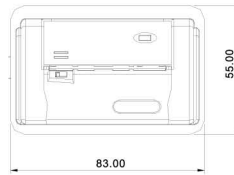
Motorized Magnetic Card Reader



HCR900 Series

- EMV2000 Level 1 Certificated
- Support ISO 7811 or AAMVA Magnetic Cards
- Support ISO 7816 T=0 & T=1 IC Card
- Build in SAM connector, 4 SAMs optional
- Vandal resistant designed gate
- Engineered to operate up to 1 million insertions
- Designed for banking, vending and kiosk industry applications

Hybrid Card Reader



Specification			
Electrical			
Operating Voltage	+12VDC±10%		
Power Consumption	100mA idle, 500mA with motor on, Max 1.0A, when motor startup		
Communication	Standard RS232(TTL/USB optional)		
Power Supply	Input : 100-240VAC 47-63Hz Output: 12VDC/1000mA		
Ripple	250mVp-p max		
Dielectric	250VDC for 1 minute		
Mechanical			
Body Material	ABS UL 94V-0 ; Aluminum Alloy		
Weight	Approx. 350g		
Dimension	162 ^L x 83 ^W x 55 ^H mm		
Operation	DC Motor driven, Landing contact of IC card		
Environment			
Operation	-10 to 50°C , 10 to 90% humidity		
Storage	-30 to 70°C , 10 to 90% humidity		
Agency Approval			
Rating	FCC class A, CE class A		
Certification			
	EMV2000 Level 1		
Performance			
Read Card Format	Track1	Track2	Track3
Bit Density	210 bpi	75/210 bpi	210 bpi
Coercive Force	Read 300-4000 Oe Magnetic Stripe		
Jitter Card	±15% Interval & Sub-interval		
Low Amp. Card	60%		
Read IC Card	ISO 7816 & EMV2000		
Card Thickness	0.76±0.08mm		
Card Travel Speed	16 ips±15%		
Error Rate	Read ≤ 0.5%		
MTBF	100,000 Hours		
Head Life	2M pass min.		

Model configuration					
Model	Output	IC Card	Magnetic Card		
			1	2	3
HCR900-RI	RS232	R	--	--	--
HCR900-RH	RS232	R	R	R	R
HCR900-UI	USB	R	--	--	--
HCR900-UH	USB	R	R	R	R
HCR900-TI	TTL	R	--	--	--
HCR900-TH	TTL	R	R	R	R
HCR900-RM	RS232	--	R	R	R

Interconnection	
cable	5 feet, DB9 connector
DB9 connector pin assignment	
2	To PC RXD (HCR900 transmit data)
3	To PC TXD (HCR900 receive data)
1, 4, 9	--
5	Signal ground
6	To PC DSR (HCR900 power)
7	To PC RTS (HCR900 receive data)
8	To PC CTS (HCR900 transmit data)
Default : 9600, 8bit per character, none parity, 1 stop bit	



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