

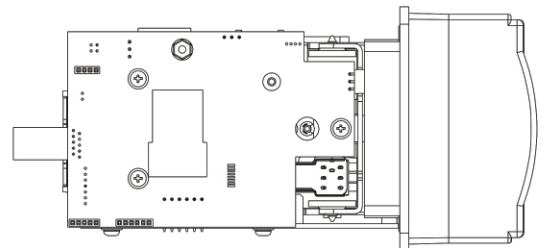
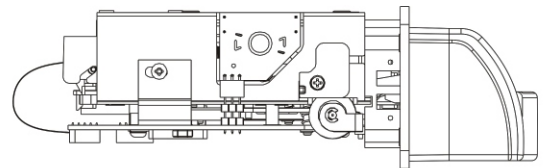
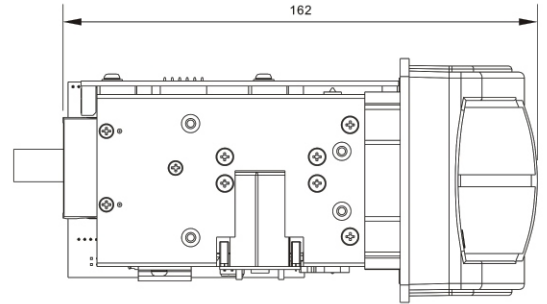
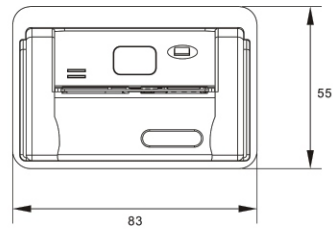
Motorized Magnetic Card Reader



HCR900 Series

- EMV2000 Level 1 Certificated
- Support ISO 7811, 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



Specifications			
Model	HCR900		
Electrical			
Power Requirement	+12VDC ± 10%		
Power Consumption	100mA idle, 500mA with motor on, Max 1 A when motor startup		
Power Supplies	Input: 100-240 VAC 47-63Hz; output: 12 VDC/1A		
Ripple	250mVp-p max		
Dielectric	250VDC for 1 minute		
Interfaces	Standard RS232 (TTL optional)		
Mechanical			
Bezel Material	PC + 20%GF		
Chassis	Aluminum Alloy		
Dimensions	162L x 83W x 55H mm		
Weight	Approx. 350g (without power adapter)		
Card Handling Method	DC Motor driven, Landing contact of IC card		
Environment			
Operation Temperature	-10°C to +55°C		
Storage Temperature	-30°C to +70°C		
Operation Humidity	10% to 90%		
Storage Humidity	10% to 90%		
Agency Approval	FCC class A , CE class A , BSMI class A		
Performance			
Read Card Format	Track 1	Track 2	Track 3
Bit Density	210 bpi	75/210 bpi	210 bpi
Card Types	Magnetic card as per ISO7810, 7811, AAMVA		
	IC card as per ISO 7816/EMV, CPU/Memory card		
Read Capability	Magnetic stripe - single, dual or triple track of low/high coercivity (300~4000 Oe)		
Test Card Types	Standard Card	Jitter ± 15%	Amp.60%
Read Speed	16 ips ± 15%	16 ips ± 15%	16 ips ± 15%
Card Thickness	0.76 ± 0.08mm		
Error Rate	< 0.5%		
MTBF	100,000 Hours		
Magnetic Head Life	2M pass minimum		
IC Card Contract Life	500K times minimum		

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

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