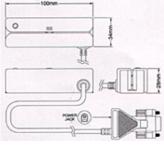
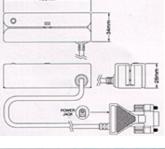
MSR110/112/210 Series

Magnetic Stripe Card Readers

MSR110 RS232 Interface



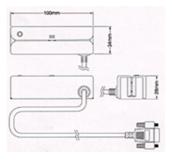




MSR110 Specification				
Electrical	STATE OF THE			
Power Requirement	+6VDC±10%			
Consumption	90mA Max			
Communication	PS232			
Mechanical				
Body Material	ABS 94V-0			
Dimensions	100Lx34Wx28H mm			
Weight	Approx. 120g			
Card handing method	Manual swipe, Birdirectional			
Operating Condition	-10°C~+55°C, 10 ~90% humidity			
Agency Approval	FCC/CE class A, UL, cUL			
Performance				
Road Card	Magnetic card as per ISO 7810, 7811/1-6			
	AAMVA, JS II & custom data			
Read Capability	Magnetic stripe single, dual or triple track of			
	low or high coercivity (300-4000 De)			
Read Speed	STD card	Joner ± 15%	Amp80%	
	5~55ips	5-50cs	5~50ips	
Card thickness	0.76 ~ 1.2mm			
Card Error rate	*0.5%			
Magnetic Head Life	500K swipe, 1M life optional			

MSR112 RS232 Interface (port powered)

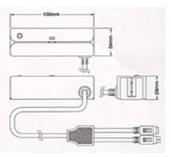




MSR112 Specification				
Electrical				
Power Requirement	Port Powered			
Consumption	5.9mA			
Communication	RS232			
Mechanical				
Body Material	ABS 94V-0			
Dimensions	100Lx34Wx28H mm			
Weight	Approx. 120g			
Card handling method	Manual swipe, Birdirectional			
Operating Condition	-10°C -+56°C, 10 -90% humidity			
Agency Approval	FOC/CE class A, UL, cUL			
Performance				
Read Card	Magnetic card as per SO 7810, 7811/1-6			
	AAMVA			
Read Capability	Magnetic stripe single, dual or triple track of			
	low or high coercivity (300-4000 De)			
Read Speed	STD card	Jmer ± 15%	Amp.60%	
	5-55ps	5~50ips	5~50ips	
Card thickness	0.76 = 1.2mm			
Card Error rate	<0.5%			
Magnetic Head Life	500K swipe, 1M life optional			

MSR210 Keyboard Interface





MSR210 Specification				
Electrical				
Power Requirement	+6VDC±10% from PC KB port			
Consumption	90mA Max.			
Communication	Keyboard Simulator interface			
Mechanical				
Body Materia	ABS 94V-0			
Dimensional	100Lx34Wx28H mm			
Weight	Арргок. 120g			
Card handling method	Manual swipe, Brdrectional			
Operating Condition	-10°C -+55°C, 10 -90% humiday			
Agency Approval	FCC/CE class A, U., cU.			
Performance				
Read Card	Magnetic card as per ISO 7810, 7811/1-6			
	AAWA			
Read Capability	Magnetic stripe single, dual or triple track of			
	low or high coercivity (300~4000 Oe)			
Read Speed	STD card	Joseph 16%	Amp.60%	
	5-55ps	5~50ps	5-50ps	
Card thickness	0.76 ~ 1.2mm			
Card Error rate	<0.5%			
Magnetic Head Life	500K swipe, 1M life optional			