

# Magnetic Stripe Card Readers



## MSR110 Series RS232 Interface

- Programmable track data output
- Downloadable firmware
- Read magnetic stripe cards conform to ISO 7811, AAMVA and custom data format
- Manual swipe, bi-directional
- Read high and low coercivity magnetic stripes (300-4000 Oe)
- LED and beeper for read status



## MSR112 Series RS232 Port Powered

- Powered from RS 232 port
- Limited programmable track data output
- Read magnetic stripe cards conform to ISO 7811, AAMVA
- Manual swipe, bi-directional
- Read high and low coercivity magnetic stripes (300-4000 Oe)
- LED and beeper for read status

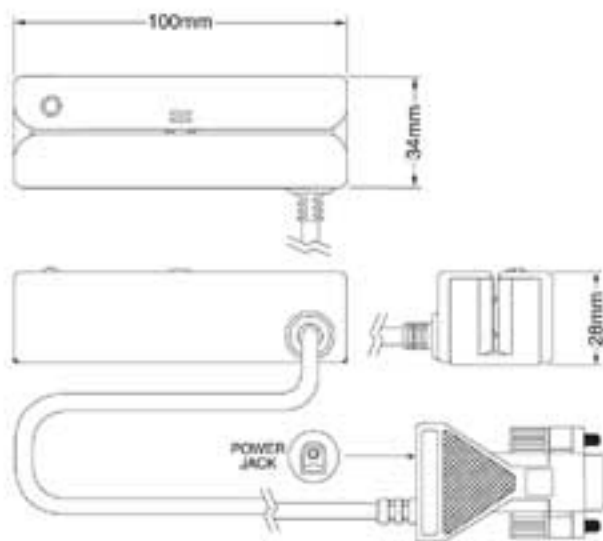


## MSR210 Series Keyboard Interface

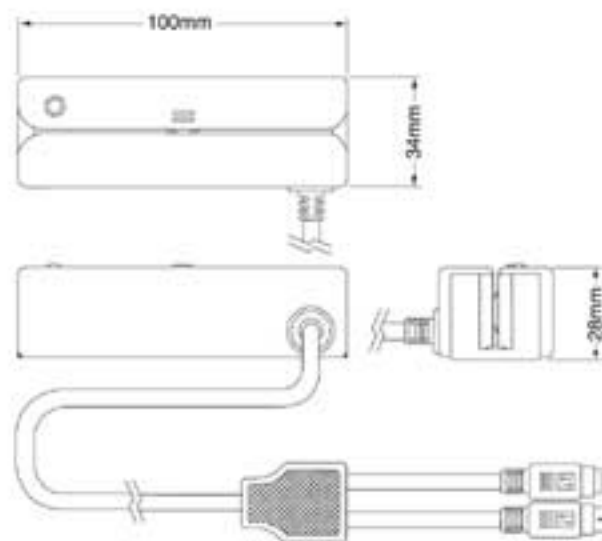
- Programmable track data output and on screen configuration set up
- Downloadable firmware
- Multi-language capability
- Read magnetic stripe cards conform to ISO 7811, AAMVA
- Manual swipe, bi-directional
- Read high and low coercivity magnetic stripes (300-4000 Oe)
- LED and beeper for read status

## Magnetic Stripe Card Reader

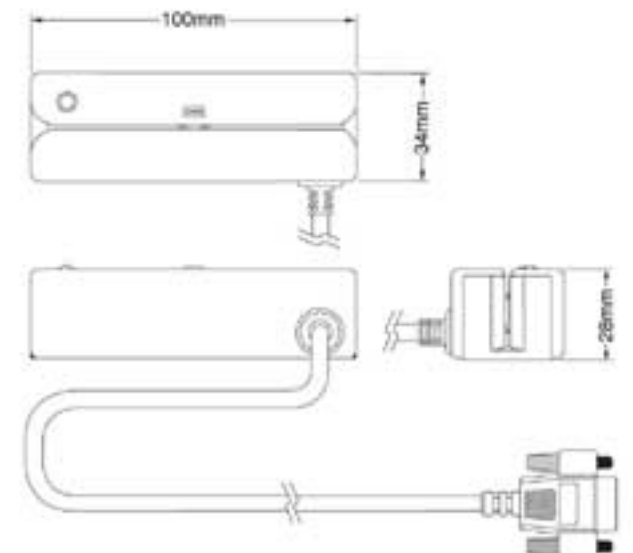
### MSR110 RS232 Interface



### MSR210 Keyboard Interface



### MSR112 RS232 Interface (port powered)



MSR110 Specification	
<b>Electrical</b>	
Operating Voltage	+5VDC ± 10%
Operating Current	90mA Max
Communication	RS232
<b>Mechanical</b>	
Body Material	ABS 94V-0, 100Lx34Wx28H mm
Weight	Approx. 120g
Operating method	Manual swipe, Bi-direction read
<b>Performance</b>	
Card Type	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 (300-4000Oe)
Read Speed	5-55ips, ISO standard card 5-50ips, Jitter card ± 15% bit to bit interval 5-50ips, Low Amplitude card 60%
Card thickness	0.78-1.2mm
Card Error rate	<0.5%
Magnetic Head Life	500K swipes, 1M life optional
Operating Condition	-10°C ~ +55°C, 10 ~ 90% humidity
Agency Approval	FCC/CE class A, UL, cUL

MSR210 Specification	
<b>Electrical</b>	
Operating Voltage	+5VDC ± 10% from PC KB port
Operating Current	90mA Max
Communication	Keyboard Simulator interface
<b>Mechanical</b>	
Body Material	ABS 94V-0, 100Lx34Wx28H mm
Weight	Approx. 120g
Operating method	Manual swipe, Bi-direction read
<b>Performance</b>	
Card Type	Magnetic card as per ISO 7810, 7811/1-6 AAMVA & custom data
Read Capability	Magnetic stripe single, dual or triple track of low or high coercivity (300-4000Oe)
Read Speed	5-55ips, ISO standard card 5-50ips, Jitter card ± 15% bit to bit interval 5-50ips, Low Amplitude card 60%
Card thickness	0.78-1.2mm
Card Error rate	<0.5%
Magnetic Head Life	500K swipes, 1M life optional
Operating Condition	-10°C ~ +55°C, 10 ~ 90% humidity
Agency Approval	FCC/CE class A, UL, cUL

MSR112 Specification	
<b>Electrical</b>	
Operating Voltage	3.3VDC
Operating Current	5.9mA
Communication	RS232
<b>Mechanical</b>	
Body Material	ABS 94V-0, 100Lx34Wx28H mm
Weight	Approx. 120g
Operating method	Manual swipe, Bi-direction read
<b>Performance</b>	
Card Type	Magnetic card as per ISO 7810, 7811/1-6 AAMVA & custom data
Read Capability	Magnetic stripe single, dual or triple track of low or high coercivity (300-4000Oe)
Read Speed	5-55ips, ISO standard card 5-50ips, Jitter card ± 15% bit to bit interval 5-50ips, Low Amplitude card 60%
Card thickness	0.78-1.2mm
Card Error rate	<0.5%
Magnetic Head Life	500K swipes, 1M life optional
Operating Condition	-10°C ~ +55°C, 10 ~ 90% humidity
Agency Approval	FCC/CE class A, UL, cUL

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