

MSR112/210 Series

Magnetic Stripe Card Readers

The MSR112/210 series readers are designed for ease of use and allow for bidirectional swiping capability. Their magnetic stripe reading capability conforms to ISO 7811 and American Association of Motor Vehicle Administrators (AAMVA) Standards. The MSR112/210 series come with LED indicators and beepers to give visible and audible status of the readers respectively. They read high and low coercivity magnetic stripes (300-4000 Oe) and are highly reliable with magnetic heads specified for minimum half a million swipes.



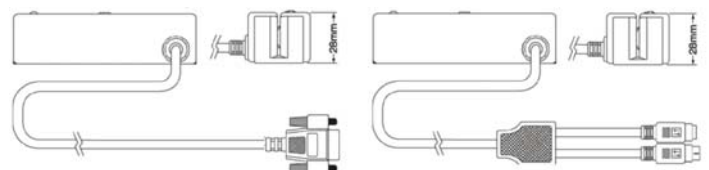
MSR112

Features and Benefits

- Read magnetic stripe cards conform to ISO 7811, allow reading ISO, AAMVA, DMV
- Read high and low coercivity magnetic stripes
- Bi-directional card swipe and read capability
- No third-party driver is needed
- USB interface, no external power supply required
- HID Keyboard, HID MSR or Virtual COM interfaces
- Card data is encrypted with Triple DES algorithm using DUKPT key management
- DUKPT (Derived Unique Key Per Transaction) key management
- Firmware upgradeable



MSR210



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Retail



Banking



Vending



Parking



Gaming



Hospitality



Petroleum



Transportation

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Specifications

Model	MSR112	MSR210
Electrical		
Power Requirement	Port powered	+5VDC± 10% from PC KB port
Power Consumption	6mA Max.	120mA Max
Interface	Standard RS232	Keyboard Simulator Interface
Mechanical		
Body Material	ABS 94V-O	ABS 94V-O
Dimensions	100L x 34W x 28H mm	100L x 34W x 28H mm
Weight	Approx. 120g	Approx. 120g
Card Handling Method	Manual swipe, Bi-directional	Manual swipe, Bi-directional
Environment		
Operation Temperature	-1°C to +55°C	-1°C to +55°C
Operation Humidity	10% to 90%	10% to 90%
Agency Approval		
Ratings	FCC/CE class A, UL, cUL	FCC/CE class A, UL, cUL
Performance		
Test Card Types	STD Card I Jitter± 15% I Amp.60%	STD Card I Jitter± 15% I Amp.60%
Read Speed	5 - 55 ips I 5 - 50 ips I 5 - 50 ips	5 - 55 ips I 5 - 50 ips I 5 - 50 ips
Card Types	Magnetic cards as per ISO7810, 7811, AAMVA, JIS II & Custom data	Magnetic cards as per ISO7810, 7811, AAMVA, JIS II & Custom data
Read Capability	Magnetic stripe - single, dual or tripletrack of low/high coercivity (300-4000 Oe)	Magnetic stripe - single, dual or tripletrack of low/high coercivity (300-4000 Oe)
Card Thickness	0.76±0.08mm	0.76±0.08mm
Error Rate	<0.5%	<0.5%
Magnetic Head Life	500K Swipes, 1 M life optional	500K Swipes, 1 M life optional



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