

Magnetic Stripe Reader RS232 Interface

MSR100 Series

- Read magnetic stripe cards conform to ISO 7811, CA DMV & AAMVA standards
- Manual swipe, bi- directional with RS-232 interface
- Available in single, dual or triple track configuration
- Read high & low coercivity magnetic stripes (300-4000oe)
- Compact size, easily mounted on keyboard or any flat surface
- Track programmable
- Audible beeper and LED to indicate read status
- CE, FCC, UL, cUL certified

Specification			
Electrical			
Power require	+5VDC +/-10%, (9VDC optional)		
Consumption	60mA Max.		
Power adapter	120VAC/5VDC, 350mA regulated		
	230VAC/5VDC optional		
Communication	Standard RS232 signal level		
Ripple	50mVp-p or less		
Dielectric strength	500VDC for 1 minute		
Mechanical			
Body Material	ABS 94V-0		
Weight	200g		
Dimension	100Lx34Wx40H mm		
Swipe	Manual, Bi-direction		
Agency approval			
Rating	FCC class A, CE class B, UL, cUL		
Environment			
Operation	-10 to 50, 20 to 85% humidity,		
Storage	-30 to 70, 20 to 90% humidity		
Performance			
Read card	Track 1	Track 2	Track 3
Bit per density	210 bpi	75 bpi	210 bpi
Coercive force	Read 300-4000 oe Magnetic Stripe		
Read speed	STD card	Jitter +/-15%	Amp. 60%
	5~55ips	5~50ips	5~50ips
Card thickness	0.76-1.2mm		
Read error rate	< 0.5%		
Head life	Min.300K swipes, 500K,1M optional		

Model Configuration			
Mode	Track		
	1	2	3
MSR100-02DACA	--	R	--
MSR100-12DACA	R	R	--
MSR100-23DACA		R	R
MSR100-33DACA	R	R	R

Interconnection	
Cable	5 Feet, DB9 connector
DB 9 pin assignment	
1,4,6	Short
2	TXD (MSR100 data transmit)
3	RXD (MSR100 data receiving)
5	Circuit ground
7,8	Short
9	--
Default 9600, 8 bit per character, none parity, 1 stop bit	

