MSR222/MSR220 Series

Manual ATB2 Reader
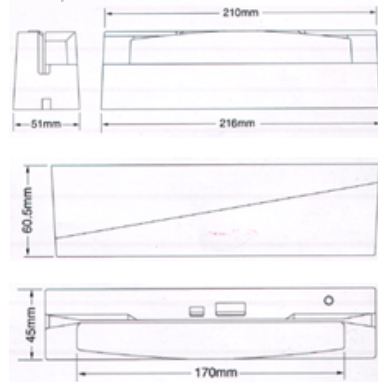
Specification	
Electrical	
Power requirements	+5VDC ± 10%
Consumption	60mA Max.
Communication	MSR220 : Keyboard simulated interface
	MSR222 : RS232 interface
Mechanical	
Body	ABS 94V-0
Weight	Approx. 540g
Dimension	216Lx51Wx60.5H mm
Swipe	Manual, Bi-direction
Environment	
Operation	-10 to 55℃ , 10 to 85% humidity
Storage	-30 to 70℃ , 10 to 90% humidity
Agency Approval	
Rating	FCC class A, CE class A

Performance				
Read card	Track1	Track2	Track3	Track4
Bit density	210 bpi	75/210 bpi	210 bpi	210 bpi
Coercive force	Read 300-4000 Oe Magnetic Stripe			
Read speed	Standard	Jitter ± 15%	Amp. 60%	
	5-45ips	5-45ips	5-45ips	
Card thickness	0.2-1.2mm			
Read error rate	< 0.5%			
Head life	Min. 500K swipes, 1M life optional			

Model Configuration					
Model	Track				Output
	1	2	3	4	Interface
MSR220-ATB2	R	R	R	R	Keyboard
MSR222-ATB2	R	R	R	R	RS232

Interconnection		
Model	MSR220	MSR222
Cable	5 feet, DIN 5 or Mini DIN6 connector for AT/XT KB	5 feet, DB9 connector with power jack

Pin Assignment			
1	Clock	1, 4, 6	Short
2	Data	2	TXD (MSR222 data transmit)
3	- -	3	RXD (MSR222 data receive)
4	Ground	7, 8	Short
5	VCC	5	Ground