

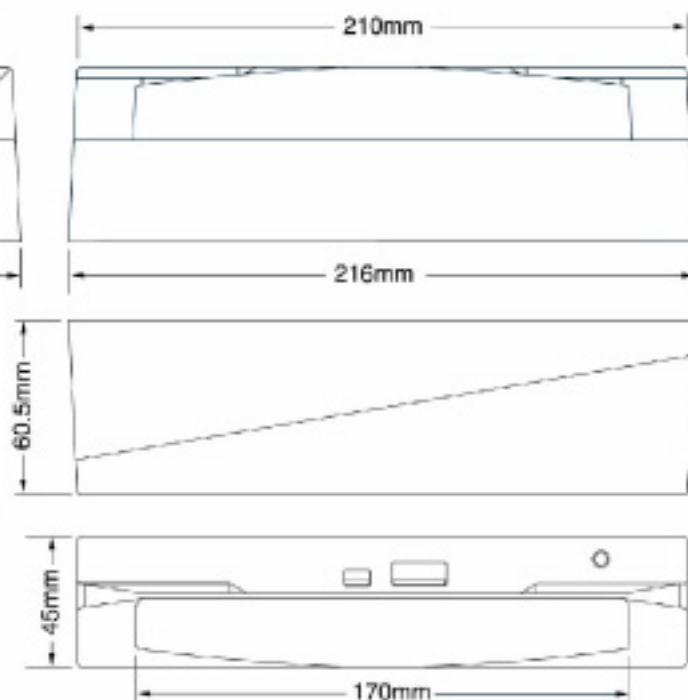
Manual ATB2 Reader



MSR220/222 Series

- Read Tickets/Boarding Passes conform to IATA ATB2 722c format
- Designed for boarding gate check in & cards acceptance
- Read magnetic stripe card conform to ISO 7811 or DMV format
- Manual swipe, Bi-directional read with keyboard simulated output
- Read high & Low coercive force magnetic stripe (300-4000 Oe)
- Programmable output data format by keyboard programming
- Audible beeper and LED to indicate card read status

Manual ATB2 Reader



Specification				
Electrical				
Power requirements	1.5VDC $\pm$ 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, Bidirection			
Environment				
Operation	-10 to 55°C , 10 to 85% humidity			
Storage	-30 to 70°C , 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 $\pm$ 15%		Amp. 60%
	5-45ips	5-45ips		5-45ips
Card thickness	0.2-1.2mm			
Read error rate	< 0.5%			
Read 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 DIN5 connector for AT/XT KB	5 feet, DB9 connector with power jack
Pin Assignment		
1	Clock	1, 4, 8 Short
2	Data	2 TXD (MSR222 data transmit)
3	..	3 RXD (MSR222 data receive)
4	Ground	7, 6 Short
5	VCC	5 Ground

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