

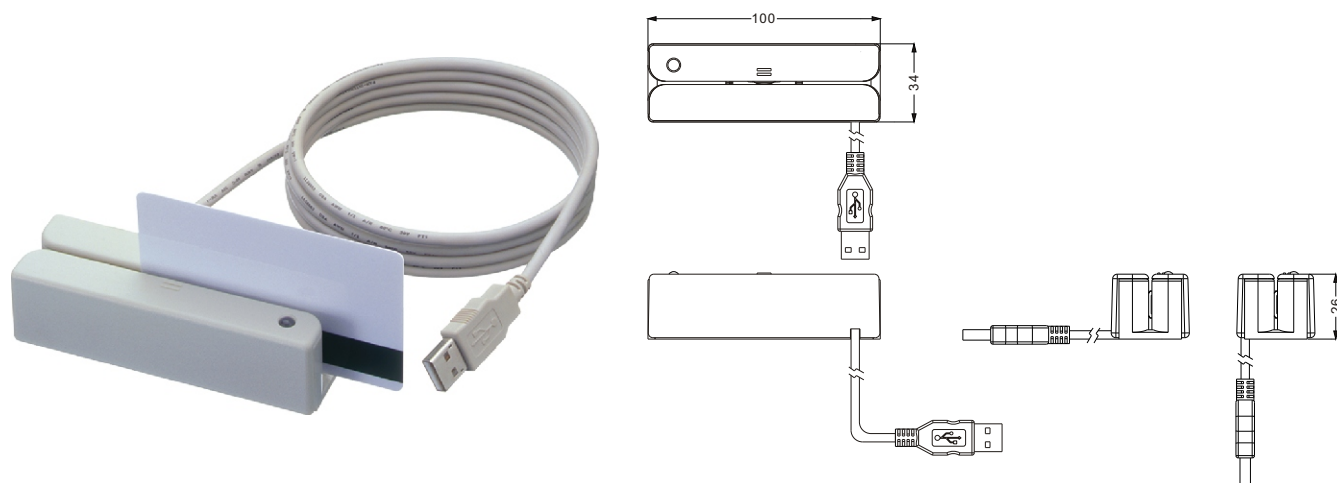
USB Magnetic Stripe Card Reader



MSR213U Series

- Read magnetic stripe cards conform to ISO 7811, AAMVA
- Read high and low coercivity magnetic stripes (300 ~ 4000 Oe)
- Can be configured as USB HID or USB keyboard emulation
- USB HID or USB keyboard emulation interface ; no third party device driver is required
- Firmware downloadable
- Multi-language support
- Manual swipe, bi-directional
- LED and beeper for reading status
- Low power consumption
- Reliable for over 1,000,000 card swipes
- 15 kv ESD protected

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MSR213U Series

Specifications			
Model	MSR213U		
Electrical			
Power Requirement	5VDC $\pm$ 5% from USB Port		
Power Consumption	35mA Max. in normal condition		
Interface	USB multi-interface, can be configured as USB HID or USB keyboard emulation		
Mechanical			
Body Material	ABS 94V-0		
Dimensions	100L x 34W x 28H mm		
Weight	Approx. 120g		
Connector	USB Type A plug		
Card Handling Method	Manual swipe, bi-directional		
Environment			
Operation Temperature	-10 $^{\circ}$ C to +55 $^{\circ}$ C		
Storage Temperature	-40 $^{\circ}$ C to +70 $^{\circ}$ C		
Operation Humidity	5% to 95%		
Storage Humidity	5% to 95%		
Agency Approval			
	FCC class B, CE class B, BSMI		
Performance			
Read Card Format	Track 1	Track 2	Track 3
Bit Density	210 bpi	75 bpi / 210bpi	210 bpi
Card Types	Magnetic cards as per ISO7810, 7811, AAMVA		
Read Capability	Magnetic stripe - single, dual or triple track of low/high coercivity (300~4000 Oe)		
Test Card Types	Standard Card	Jitter $\pm$ 15%	Amp.60%
Read Speed	5 ~ 55 ips	5 ~ 50 ips	5 ~ 50 ips
Card Thickness	0.76 $\pm$ 0.08mm		
Error Rate	< 0.5%		
Magnetic Head Life	1M Swipes		

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