



Kestronics Ltd.

Developing innovative solutions

sales@kestronics.co.uk

- **Batteries for all kinds of Handheld Terminals, Printers and Barcode Readers**
- **Money Handling / Counterfeit Detectors**
- **Magnetic Card Readers / Writers**
- **Smart Card Readers / Writers**
- **Portable Swipe Card Readers**
- **Thermal Printheads**
- **Barcode Scanners / Readers**
- **OEM Barcode Modules**
- **Signature Pads**
- **Handheld Terminals / PDA**
- **Chip and Pin Terminals**
- **Mifare and RFID Readers / Writers**
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- **Portable Printers and Consumables**
- **Label Printers and Consumables**
- **Kiosk Printers and Consumables**
- **Loyalty Card Printer and Consumables**
- **Plastic Card Printer and Consumables**
- **Industrial Keyboards / Trackball**
- **Visitor Management System**



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Magnetic Stripe Reader/Writer



MSR106 Series

- Read/write magnetic stripe cards conform to ISO 7811
- Read/write magnetic stripe passbook conform to ISO 8484
- Manual swipe read/write with RS-232 interface
- Read high or low coercivity magnetic stripes (300-4000oe)
- Write low coercivity magnetic stripes (300-600oe)
- Write and verify data simultaneously in one swipe single, dual or triple tracks
- Full featured WIN95/98/2000 utility Demo program
- Programmable data format
- CE, FCC, UL, cUL certified



MSR206 Series

- Read/write magnetic stripe cards conform to ISO 7811/1-6
- Read/write high & low coercivity magnetic stripes (300-4000oe)
- Write and verify data simultaneously in one swipe single, dual or triple tracks
- Manual swipe read/write with RS-232 interface
- Write high or high & low coercivity magnetic stripes
- Full featured WIN3.1/95/98 utility Demo program
- Programmable data format
- CE, FCC, UL, cUL certified

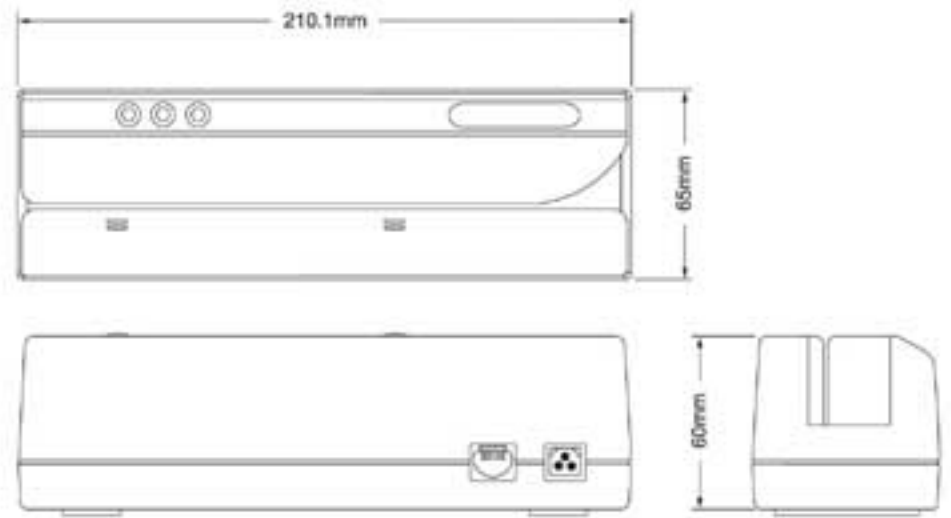
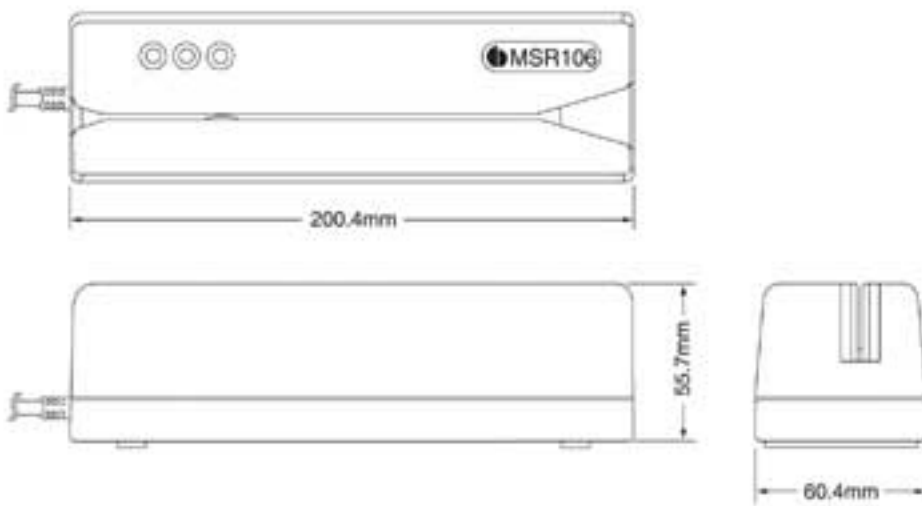
MSR106/206 Series

Magnetic Stripe Reader/Writer

MSR106



MSR206



MSR106 Series Specification			
Electrical			
Power Require	+9VDC \pm 10%		
Consumption	Typical 150mA Max. 100mA plus for each writing track		
Power supply	External power adapter 9V/1.0A		
Communication	Standard RS232		
Mechanical			
Body Material	PC 94V-0		
Weight	Approx. 1kg		
Dimension	200.4Lx60.4Wx55.7H mm		
Swipe	Manual, single direction		
Environment			
Operating	-10 to 55°C, 10 to 85% humidity		
Storage	-30 to 70°C, 10 to 90% humidity		
Agency approval			
Rating	FCC class B, CE class B, UL, cUL		
Performance			
Read card	Track1	Track2	Track3
Bit predensity	210 bpi	75/210bpi	210 bpi
	Read/Write Track2 at 210 bpi for Pass Book		
Coercive force	Read 300-4000 Oe Mag. card Write 300-600 Oe Mag. card		
Card thickness	0.76-1.2mm		
Read speed	STD card	jitter \pm 15%	Amp.60%
	5-55ips	5-50ips	5-50ips
Write speed	5-35ips		
Write jitter	Interval \pm 8%, Sub-interval \pm 10%		
Error rate	Read < 0.5%		
	Read < 0.8%		
Head life	Min. 500K swipes for both read/write head		

MSR206 Series Specification			
Electrical			
Power Require	+24VDC \pm 5%		
Consumption	Typical 350mA Max. 600mA plus for each writing track		
Power supply	External switching power 24V/2.2A		
Communication	Standard RS232 signal levels		
Mechanical			
Body Material	ABS 94V-0		
Weight	Approx. 1.5kg		
Dimension	210.1Lx65Wx60H mm		
Swipe	Manual, single direction		
Environment			
Operating	-10 to 55°C, 10 to 85% humidity		
Storage	-30 to 70°C, 10 to 90% humidity		
Agency approval			
Rating	FCC class B, CE class B, UL, cUL		
Performance			
Read card	Track1	Track2	Track3
Bit predensity	210 bpi	75/210bpi	210 bpi
Coercive force	Read 300-4000 Oe Mag. card		
Card thickness	0.76-1.2mm		
Read speed	STD card	jitter \pm 15%	Amp.60%
	5-55ips	5-50ips	5-50ips
Write speed	5-30ips		
Write jitter	Interval \pm 10%, Sub-interval \pm 12%		
Error rate	Read < 0.5%		
	Write < 0.8%		
Head life	Min. 1000K swipes for both read/write head		