



MSR206 Encoder



Versatile

Manual Swipe Magnetic Card Reader/Writer MSR206 Series is designed to offer a card reading/writing solution for ISO 7811-6 formats. It reads and writes up to 3 tracks of data, e.g. decoding/encoding and verifying up to 3 tracks of data simultaneously. Also, MSR206 Reader/Writer provides a standard RS-232 interface to communicate with a host system or other terminal computers.

Multiple Applications

Manual Swipe Magnetic Card Reader/Writer MSR206 Series is ideal for credit card verification and various card related applications.

Robust Construction

The MSR206 is manufactured at our ISO 9001 certified factory and comes with a 3-year warranty.

Features:

- Reading/writing magnetic stripe cards complies with ISO 7811 / 1~6 formats
- Manual Swipe to read and/or write cards with PC standard RS-232 interface
- Read/Write High and Low Coercive force of magnetic stripe (300~4000 Oe)
- 5~35ips operational swipe speed of writing data
- 5~55ips operational swipe speed of reading data
- +24VDC +/-10%, 2.2A Max., external power adapter attached
- Writing and verifying data on single, dual, or triple track in one swipe
- Programming software included for various read/write applications
- Program software for DOS and Windows 98/Me
- High/Low Coercivity encoding circuitry selectable on screen
- Programmable leading bit, raw data, DMV/AAMVA, and user defined format
- Compact size with dimensions of 210(L) x 60(W) x 65(H) mm
- CE, FCC, UL, cUL certified

MSR206 Specifications

Electrical

Operating voltage: +24VDC +/- 5%
 Consumption: Typical 350mA Max. and 600mA plus for each writing track
 Power Supply: External Power Adapter 24V/2.2A
 Communication: Standard RS232 signal levels
 Ripple: 50mVp-p or less
 Dielectric strength: 500VDC for 1 minute

Mechanical

Body Material: ABS 94V-0
 Length: 8.34" (210.1 mm)
 Width: 2.58" (65.0 mm)
 Height: 2.38" (60.0 mm)
 Weight: Approx. 1.5kg
 Swipe: Manual, single direction

Environmental

Operation: 14° to 131° F (-10° to 55° C), 10 to 85% humidity
 Storage: -22° to 158° F (-30° to 70° C), 10 to 90% humidity
 Rating: FCC ClassB, CE classB, UL, cUL

Performance

	Track 1	Track 2	Track 3
Read card:	Track 1	Track 2	Track 3
Bit density:	210 bpi	75/210 bpi	210 bpi
Coercive force:	Read 300-4000 Oe Mag. card Write 300-4000 Oe Mag. card		
Card thickness:	0.76-1.2mm		
Read speed:	STD card	Jitter +/- 15%	Amp. 60%
	5~55ips	5~50ips	5~50ips
Write speed:	5~30ips		
Write jitter:	Interval < +/-10%, Sub-interval < +/-12%		
Error rate:	Read < 0.5% Write < 0.8%		
Head life:	Min. 1000K swipes for both read/write head		

Ordering Information

MSR206-12 Dual track (track I & II) MSR encoder
 MSR206-33 Triple track (track 1, II, & III) MSR encoder

Interconnection

Cable: 5 feet, RJ45 to DB9
 Pin Assignment: Pin 1 Shield
 Pin 2 TXD (MSR206 data transmit)
 Pin 3 RXD (MSR206 data receive)
 Pin 4 ---
 Pin 5 Circuit ground
 Pin 6 ---
 Pin 7 ---
 Pin 8 ---
 Pin 9 ---
 Default: 9600 baud, 8 bit/character, no parity, 1 stop bit



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