MSR206 Encoder

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 onscreen

- 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

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.

MSR206 Specification

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

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