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 (300~4000Oe)

- 5~35ips operational swipe speed of writing data

- 5~55ips operational swipe speed of reading data

- +24VDC+/-10%, 2.0A 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

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.

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Data Collection Within Reach

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: PC 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 300-600 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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