

# MSR106

## Magnetic Stripe Reader / Writer



### MSR106 Magnetic Stripe Reader / Writer

The MSR106 Manual Swipe Magnetic Card Reader/Writer is designed to offer a card reading and writing solution for ISO 7811-6 and 8484 formats. It is ideal for credit card verification and various card related applications.

It can read and write up to 3 tracks of data and can verify all 3 tracks of data simultaneously.

The MSR106 Reader/Writer is easy to configure due to its standard RS232 interface that communicates with most host systems.

### Features

- Read / write magnetic stripe cards (ISO 7811 and 8484 formats)
  - Read high and low coercive force (300~4000 Oe)
  - Write low coercive force (300~600 Oe)
- Read / write with standard RS232 interface
- Programming software for DOS and Windows 98/ME
- Compact size with dimensions of 7.8"(L) x 2.3"(W) x 2.2(H)
  - Leading bit, raw data and user-defined format



#### Unitech America

Los Angeles, Houston, Guadalajara  
<http://www.ute.com> e-mail: [inquiry@ute.com](mailto:inquiry@ute.com)  
<http://latin.unitech-adc.com> e-mail: [info@latin.ute.com](mailto:info@latin.ute.com)

#### Unitech Asia Pacific

Taipei  
<http://www.unitech-adc.com> e-mail: [aidcsales@tw.ute.com](mailto:aidcsales@tw.ute.com)

#### Unitech Japan

Tokyo  
<http://www.unitech-japan.co.jp> e-mail: [sales@jp.ute.com](mailto:sales@jp.ute.com)

### Electrical

Operating Voltage	+9VDC $\pm$ 10%
Consumption	Typical 150mA Max. and 100mA plus for each track
Power Supply	External Power Adapter 9V/1.0A
Communication	Standard RS232 signal levels
Ripple	50mVp-p or less
Dielectric Strength	500VDC for 1 minute

### Mechanical

Body Material	ABS 94V-0
Dimensions	7.89" (L) x 2.38" (W) x 2.19" (H)
Weight	Approximately 53 oz
Color	White
Swipe	Manual, single direction

### Performance

	Track 1	Track 2	Track 3
Read Card	Track 1	Track 2	Track 3
Bit Density	210 bpi	75/210 bpi	210 bpi
Read Speed	STD Card 5~55 ips	Jitter +/- 15% 5~50 ips	Amp. 60% 5~50 ips
Write Speed	5~35 ips		
Error Rate	Read < 0.5%	Write < 0.8%	
Coercive Force	300-4000 Oe (Read)	300-600 Oe (Write)	
Write Jitter	Interval < +/-8%, Sub-interval < +/-10%		
Card Thickness	0.76-1.2mm		

### Environmental

Operating Temperature	14° to 131° F (-10° to 55° C), 10 to 85% humidity
Storage Temperature	-22° to 158° F (-30° to 70° C), 10 to 90% humidity
Rating	FCC ClassB, CE class B, UL, cUL

#### Unitech Europe

Tilburg / Netherlands  
<http://www.unitech-europe.com> e-mail: [sales@eu.ute.com](mailto:sales@eu.ute.com)

#### Unitech Greater China

Beijeng, Shanghai, Guang Zhou, Xiamen  
<http://www.ute.com.cn> <http://www.ute.cn> [unitech@cn.ute.com](mailto:unitech@cn.ute.com)  
 Taipei <http://adc-utt.unitech.com.tw> [barcode@tw.ute.com](mailto:barcode@tw.ute.com)

#### Head Office

Taipei  
<http://www.unitech-adc.com> e-mail: [marketing@tw.ute.com](mailto:marketing@tw.ute.com)