MSR206 Magnetic Stripe Reader / Encoder

The Unitech MSR206 is designed to offer a magnetic card reading/writing solution for ISO 7811-6 formats. It reads and writes up to 3 tracks of data, e.g. decoding/encoding and verifies up to 3 tracks of data simultaneously. Also, the MSR206 provides a standard RS232 interface to communicate with a host system or other terminal computers.

The MSR206 is ideal for credit card verification and various other card-related applications.

**Features**

- Read / write magnetic stripe cards (ISO 7811 / 1 - 6 formats)
- Read / write high and low coercive force (300~4000 Oe)
- Write / verify data on single, dual, or triple track in one swipe
- Programming software included for various read / write applications
- Programming software for DOS and Windows 98/Me
- Compact size with dimensions of 8.34”(L) x 2.58”(W) x 2.38”(H)
- Programmable leading bit, raw data, DMV/AIDS, and user defined format

**Specifications**

- **Electrical**
  - **Operating Voltage**: +24VDC +/- 5%
  - **Consumption**: Typical 350mA Max. and 600mA plus for each 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
  - **Dimensions**: 8.34”(L) x 2.58”(W) x 2.38”(H)
  - **Weight**: Approximately 53 oz
  - **Color**: Beige
  - **Swipe**: Manual, single direction

- **Performance**
  - **Track 1**
    - **Read Card**: 210 bpi
    - **Bit Density**: 5~50bpi
    - **Read Speed**: STD Card
    - **Write Speed**: 5~30bpi
    - **Error Rate**: Read < 0.5%
    - **Coercive Force**: 300-4000 Oe Mag. card (Read/Write)
    - **Write Jitter**: Interval < +/-10%, Sub-interval < +/-12%
    - **Card Thickness**: 0.76-1.2mm
  - **Track 2**
    - **Bit Density**: 75/210 bpi
    - **Read Speed**: Jitter +/- 15%
    - **Write Speed**: 5~50bpi
  - **Track 3**
    - **Bit Density**: 210 bpi
    - **Read Speed**: Amp. 60%

- **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 classB, UL, cUL

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Unitech America
Los Angeles, Houston, Guadalajara
http://www.ute.com  e-mail: inquiry@ute.com
http://latin.unitech-adc.com  e-mail: info@latin.ute.com

Unitec Asia Pacific
Taipei
http://www.unitech-adc.com  e-mail: aidsales@tw.ute.com

Unitech Japan
Tokyo
http://www.unitech-japan.co.jp  e-mail: sales@jp.ute.com

Unitech Europe
Tilburg / Netherlands
http://www.unitech-europe.com  e-mail: sales@eu.ute.com

Unitech Greater China
Beijing, Shanghai, Guang Zhou, Xiamen
http://www.ute.com.cn  http://www.ute.cn  unitech@cn.ute.com
http://adc-utt.unitech.com.tw  barcode@tw.ute.com

Head Office
Taipei
http://www.unitech-adc.com  e-mail: marketing@tw.ute.com

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