



# *MSR200 Magnetic Stripe Reader*



## Features

- Low power CMOS design.
- Keyboard emulation.
- Bi-directional read capability.
- Conforms to ISO 7811, ANSI x4.16 & AAMVA (Driver Licenses) standards.
- IBM PC XT/AT, PS/2 and RS232 interfaces supported.
- Available for dual or triple track cards.
- Compact and lightweight enclosure.
- May be mounted on a keyboard or a flat surface.
- Provides feedback by LED and buzzer.

## For multiple applications

Unitech's MSR200 Magnetic Stripe Readers provide a simple and reliable solution for a variety of situations. Our intelligent readers are the right tool for applications such as point of sale, access control, and self-service applications.

## Easy to install and operate

Known for their reliability, they are easy to install and use. Readers can be attached to most computer keyboards or to any flat surface.

Cards can be swiped and read in both directions and the LED provides feedback to the user indicating ready to read or read error.

When using the keyboard wedge interface, no programming, software drivers, or external power is required. Just connect the reader to the keyboard and the keyboard port on almost any PC and you're ready to read magnetic stripe cards. Data is read from the card and sent to the PC just as if it were entered from the keyboard. The MSR200 uses low-power CMOS, so no external power source is required when connected to a keyboard port.

## Options

The MSR200 is available in dual and triple track configurations for reading ISO cards and driver's licenses, and it comes with keyboard wedge or RS232 (AC adapter included) interface. Download our Com2Keyboard software to capture data from the serial port.

# MSR200 Specifications

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## General

Recording Method: Two frequency coherent phase F2F (all tracks)  
ISO 7811 & AAMVA compatible  
Head life: 300,000 passes (aprox.)  
Buzzer: piezoelectric buzzer  
LED Indicator: dual color (green/red)  
Coercivity: High and low (300-4000 Oe)

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## Card Speed

Standard: 5 - 55 ips  
Jitter Card (15%): 5 - 50 ips  
Low Amplitude: 5 - 50 ips

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## Capacity (ISO)

Track 1: 79 characters (7 bit code)  
Track 2: 40 characters (5 bit code)  
Track 3: 107 characters (5 bit code)

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## Data Editing

Prefix & Suffix  
Track selection  
Sentinel & Terminator enable/disable

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## Recording Density

Track 1: 210 bpi  
Track 2: 75 bpi  
Track 3: 210 bpi

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## Configuration

DIP switches and keyboard commands

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## Electrical

Input: RS232: +5V DC @ 20 mA  
Keyboard wedge: from keyboard port

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## Environmental

Operating Temperature: -10° to 50° C  
Storage Temperature: -30° to 70° C  
Humidity: 0 to 85% RH non-condensing

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## Mechanical

Length: 3.94" (100 mm)  
Width: 1.34" (34 mm)  
Depth: 1.58" (40 mm)  
Weight: 10.56 oz.  
Cord: 1 ft. (30.5 cm) to keyboard  
5 ft. (1.5) to computer

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## Interfaces

MSR200-12 Keyboard wedge, DIN connector, dual track  
MSR200-12P Keyboard wedge, miniDIN connector, dual track  
MSR200-12R RS232, DB9 connector, dual track  
MSR200-33 Keyboard wedge, DIN connector, triple track  
MSR200-33P Keyboard wedge, miniDIN connector, triple track  
MSR200-33R RS232, DB9 connector, triple track

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