

# EASYMAG™

Intelligent Swipe Reader  
for Magnetic Stripes



## Reads magnetic stripes.

The EasyMag reads up to three tracks of information with a single swipe in either direction. Its length makes it exceptionally tolerant of bent or otherwise imperfect cards. Both beeper and LED indicators signal a successful read.

## Versatile, low cost.

The EasyMag Intelligent Swipe Reader delivers exceptional functionality and value. It can be used as a free-standing unit, velcro mounted for temporary placement, or permanently mounted using the threaded inserts in the bottom of the reader. TTL, RS-232, keyboard wedge, USB/RS-232, and USB/keyboard interfaces are available.

## Easy to use.

The EasyMag Intelligent Swipe Reader is designed for busy retail environments where speed and dependability are equally important. Its standard-length slot (more than 5 inches) makes it easy for anyone to swipe a card and get a good read on the very first try. Yet its unique flat-edge case design makes it easy to flush-mount alongside a keyboard or monitor.

## Edits and formats data.

The EasyMag is a fully intelligent swipe reader that can be programmed to divide, rearrange, edit, and validate fields of magnetic card data. It automatically distinguishes between AAMVA and CA DMV formats.

# WCR33X1-XXXQ EasyMag Intelligent Swipe Reader Specifications

## Electrical

### Magnetic TTL:

Power +5 VDC +/-10% (50mV ripple maximum). Ground 0 VDC (GND).  
Chassis ground connected to GND and magnetic head case.

### Operating Current:

1.1mA per track maximum when reading a card, TTL.  
About 30mA for decoded magnetic stripe (three tracks), Keyboard. About 40mA for decoded magnetic stripe, USB/Keyboard and RS-232. About 70mA for decoded magnetic stripe, USB/RS-232.  
5.5mA typical with LED (<8mA at peak usage) for port-powered model.

### External Power Supply:

5 VDC/350mA (required for RS-232 version only). Port-powered option requires no power supply.

## Environmental

### Operating Temperature:

32F° to 131°F (0°C to 55°C).

### Storage Temperature:

-22° F to 158°F (-30°C to 70°C).

### Humidity:

Maximum 95% non-condensing.

## Reliability

### Magnetic Head Life:

1,000,000 passes minimum.

### Rail and Cover Life:

1,000,000 passes minimum.

### Read Rate:

Less than one error in 100,000 bits on cards conforming to ISO 7811 1-5 (not induced by operator error).

### Warranty:

One year, parts and labor.

## Mechanical

### Magnetic Stripe Formats:

ISO 7811, AAMVA, and CA DMV.

### Swipe Speed:

3 to 60 inches per second, bi-directional.

### Card Thickness:

.015 to .045 inches.

### Interfaces:

TTL (undecoded magnetics), RS-232, Keyboard wedge, USB/keyboard.

### Dimensions:

Length: 5.22 inches (133mm). Width: 1.25 inches (32mm). Height: 1.6 inches (41mm).

### Weight:

Approximately 8 oz. (with cabling).

### Cable Length:

5-foot straight cable.

### Connector:

Keyboard: 6-pin mini-DIN connector.

RS-232: DB9F.

### Mounting Options:

Rubber feet (stand-alone operation).

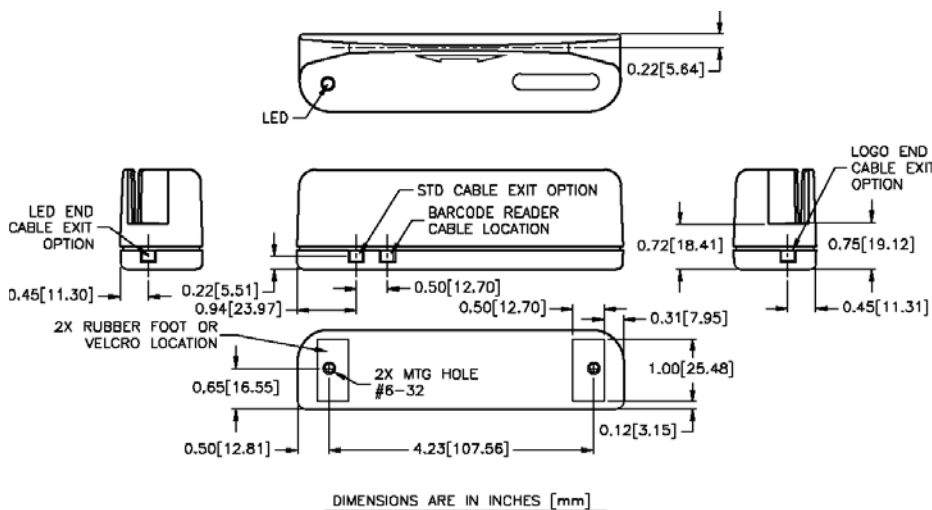
Velcro pads (keyboard mounting).

Two mounting holes (permanent mounting).

### EasyMag

### Swipe Reader

### Footprint:



**IDTECH**<sup>®</sup>  
Value through Innovation

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