

# MINIMAG™

## Compact Intelligent Swipe Reader

for Magnetic Stripes



### Fits in tight places.

The MiniMag Intelligent Swipe Reader is designed for POS and desktop applications where space is at a premium. The entire unit is just 90mm long (about the length of a credit card), giving it the smallest footprint of any unit with comparable features.

### Edits and formats data.

The MiniMag 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.

### Reads magnetic stripes.

The MiniMag reads up to three tracks of information with a single swipe in either direction. Its standard-length slot makes it easy to use. Both beeper\* and LED indicators signal a successful read.

### Versatile, low cost.

The MiniMag Intelligent Swipe Reader delivers exceptional functionality and value in the smallest possible package. It can be used as a free-standing unit, or permanently mounted using the threaded inserts in the bottom of the reader. (The cable can exit through the bottom as well.) TTL, RS-232, keyboard wedge, USB/RS-232, and USB/keyboard interfaces are available, as well as a port-powered version that utilizes an RS-232 interface but requires no power supply.

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\* Beeper not available with port-powered model.

# IDT 3321/31 MiniMag 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:

32°F 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:

Two years, parts and labor.

## Mechanical

### Magnetic Stripe Formats:

ISO 7811, AAMVA, and CA DMV.

### Swipe Speed:

3 to 60 inches per second, bi-directional. (5 to 50 inches per second for port-powered model.)

### Card Thickness:

.01 to .045 inches.

### Slot Width:

.050 inches (1.37mm).

### Indicators:

Tri-colored LED, beeper (not available on port-powered model).

### Interfaces:

RS-232, Keyboard wedge, USB/keyboard, USB/RS-232, TTL (undecoded magnetics).  
Port-powered option is RS-232 only.



### Dimensions:

Length: 3.54 inches (90mm). Width: 1.34 inches (34mm). Height: 1.10 inches (28mm).

### Weight:

Approximately 4.6 oz.

### Cable Length:

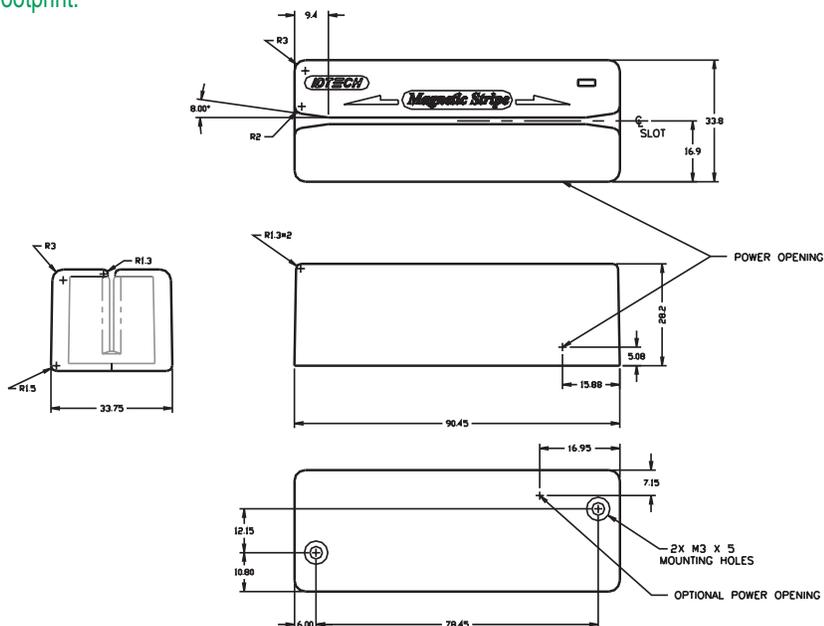
6-foot straight cable. (Cable exit through the bottom of the unit is available as an option; minimum quantities apply.)

### Connector:

Keyboard: 6 pin mini-DIN. TTL: 9 pin squeeze. RS-232: DB9F.

### MiniMag Swipe Reader

### Footprint:



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