# SPECTRUM™ III

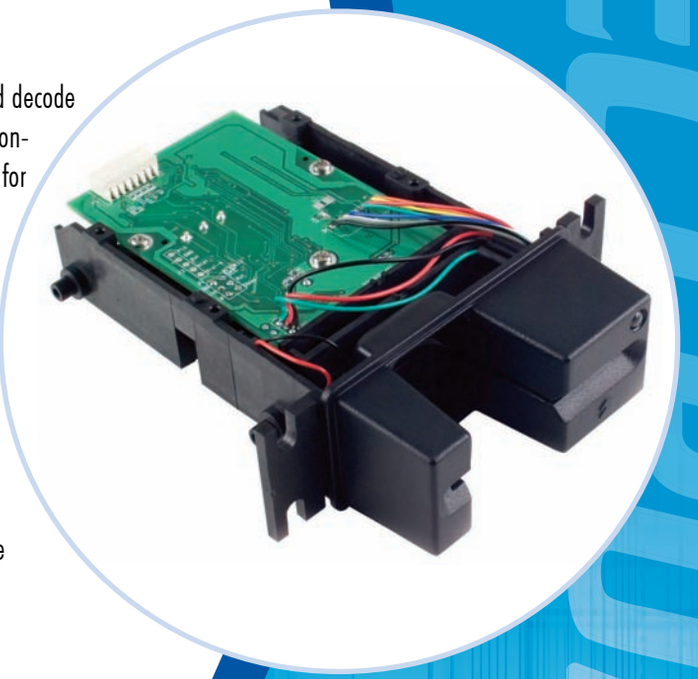
## MOIR INSERT READER

## Intelligent OEM Module

for Magnetic Stripes RS-232, USB-HID, USB-HID-KB, USB-CDC, and Keyboard Wedge Interface

### Reads magnetic stripes

ID TECH's Spectrum Magstripe Only Insert Reader (MOIR) is designed to read and decode up to three tracks of magnetically-encoded information. It reliably reads media conforming to ISO 7810 and 7811 standards and it reads most formats like AAMVA for driver licenses. The magnetic head is spring-loaded to ensure good contact with warped or bowed cards.



### Intelligent interface options

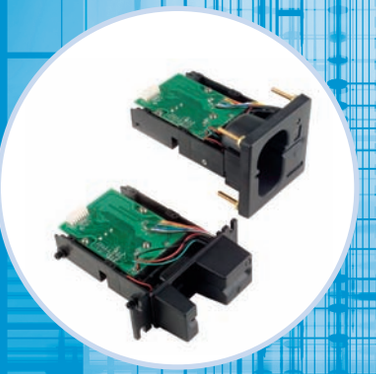
The MOIR provides many communication options: RS232 Serial, USB-CDC (virtual COM), USB-HID, USB-HID-KB, and Keyboard Wedge (PS/2). Both OPOS & JPOS support is provided. PC operating system provides the USB-CDC drivers for standard operating function. Most keyboard language types are supported for keyboard wedge operation. Other drivers and support are available on the ID TECH website.

### Selects and formats data

The ID TECH Hybrid Insert Reader is a fully-intelligent unit that can be configured to read all tracks or selected tracks from a magnetic stripe. It can also output data with a terminating character and up to nine prefix and/or postfix characters to match a data format expected by the host. ID TECH provides a Configuration Utility for configuration of the reader interface and the output data format. The PC based software application is available to download from the ID TECH website.

### Industry compatible footprints and applications.

- Chassis molded from fiber-filled engineering plastic
- Supprts magnetic head and PCB
- Bezel options - standard, metal or flush-mount
- Tri-color LED (optional)
- User-transaction confirmation
- Debris opening



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# Spectrum III Intelligent MOIR Specification (SPT3-3XX)

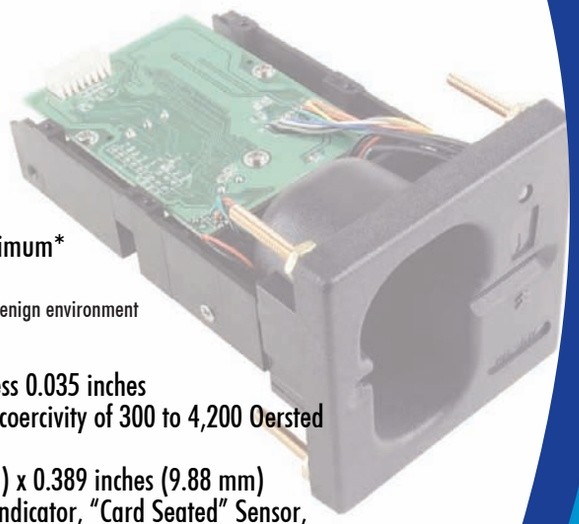
## Electrical

**Power Requirements:** RS-232: +5 VDC/55mA (power adapter regulated 5 VDC/250mA or equivalent)
USB & Keyboard: +5 VDC/55mA power supplied by the host computer

**Operating Current:** 55 mA maximum for three tracks of magnetic data

## Environmental

**Operating Temperature:** 32° F to 131° F (0° C to 55° C)
**Storage Temperature:** -40° F to 158° F (-40° C to 70° C)
**Humidity:** Maximum 95% non-condensing



## Reliability

**Operating Life:** Magnetic Head: 1,000,000 cycles minimum*
Chassis and Bezel: 1,000,000 card cycles minimum*

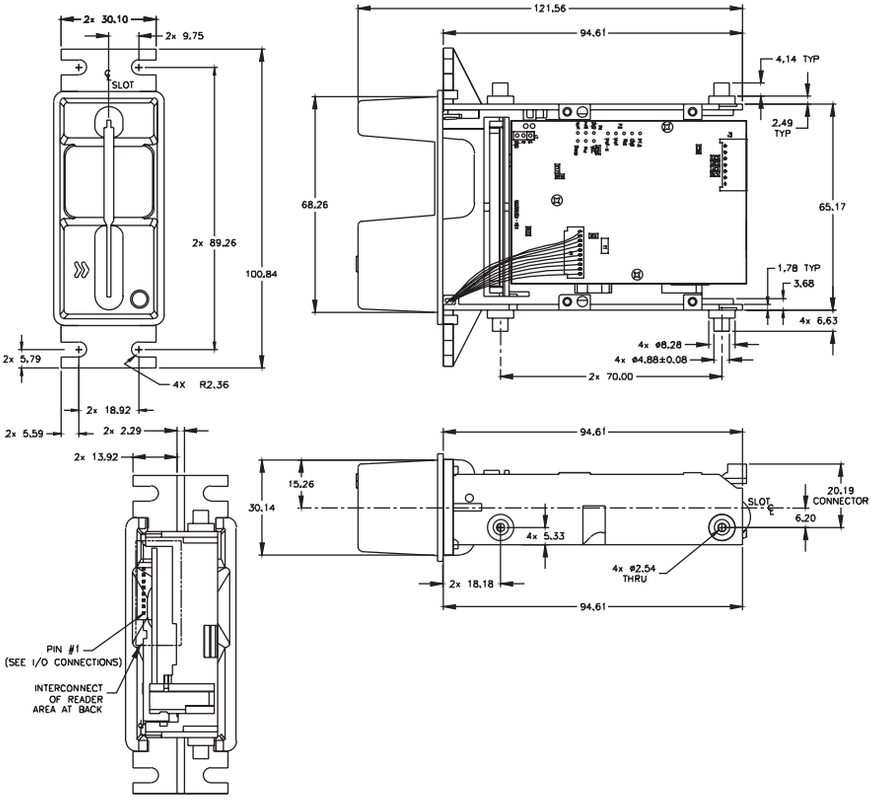
**Warranty:** One year, parts and labor

*All wear reliability numbers are based on operation in a benign environment

## Mechanical

**Media Thickness:** 0.025 to 0.035 inches. Maximum card thickness 0.035 inches
**Media Formats:** ISO 7811, AAMVA driver license format, and coercivity of 300 to 4,200 Oersted
**Reading Speed:** 3 to 50 inches per second.
**Dimensions(L)x(W)x(H):** 4.64 inches (117 mm) x 3.97 inches (101 mm) x 0.389 inches (9.88 mm)
**Options:** Standard, Flush, & Metal Bezels. Gate, LED Indicator, "Card Seated" Sensor, "Card Present" Sensor.

**Footprint:**





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