Built for Protection
The Spectrum Air Dual Headed Magnetic Stripe Insert Reader has been developed for applications requiring (IP 65) sealed readers that are designed to withstand the rigors of an outdoor environment. The Spectrum Air’s superior sealed chassis design prevents the ingress of water, vapor and other contaminants into the main terminal enclosure.

Class Leading Durability and Reliability
The Spectrum Air’s unique chassis design greatly reduces the possibility of leaks developing over the life of the product. Its dual heads are embedded with a flex circuit, which is intrinsically easier to seal than heads with wires. The Spectrum Air card seated switch is magnetically actuated and immune to contamination and corrosion. It utilizes ID TECH’s superior decoding electronics for optimum reading reliability.

Encryption Security
The Spectrum Air is designed with ID TECH’s secure electronics providing either TDES or AES encryption and DUKPT key management to provide the data security from the point of entry.

The Spectrum Air is ideal for gas pumps and outdoor kiosk applications. Cards are read on both insertion and/or withdrawal for superior reading reliability. Multiple interfaces allow the reader to be configured for “drop in replacement” applications when required.

Features and Benefits
• Dual Headed Magnetic Stripe Insert Reader
• Reads up to three tracks of card data
• Interface: TTL, RS232, USB-KB, USB-HID
• IP 65 Rated
• Sealed bezel and chassis
• Supports TDES or AES encryption with DUKPT key management
• Ideal for gas pumps, vending and outdoor kiosk applications
• 1 year warranty
Media velocity can vary depending on bar code density and quality.

**Electrical**

Power Requirements (RS-232):
+ 5 VDC/55mA (power adapter regulated 5 VDC/250mA or equivalent)

Power Requirements (USB):
+ 5 VDC/55mA power supplied by the host computer

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

Chassis Ground:
Connected to GND and magnetic head case

Interfaces:
RS232 Serial, USB-CDC (virtual COM), USB-HID, USB-HID-KB, and Keyboard Wedge (PS/2)

**Environmental**

Operating Temperature:
-20°C to 70°C, non-freezing on mechanical components

Storage Temperature:
-40°C to 70°C

Operating Humidity:
10% to 90% non-condensing

Storage Humidity:
10% to 90% non-condensing

**Reliability**

Magnetic Head Life:
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**

Physical Dimensions:

- With bezel size 120mm x 92mm x 48mm (L x W x H)
- General Construction: PC UL 94V-0 plastic chassis
- Media Thickness: 0.76mm (tolerance +/- 0.08mm)
- Media Formats: ISO 7810 ID-1 card, ISO 7811, AAMVA Driver License format
- Color: Black
- Seal Rating: IP 65

Footprint:

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