

# MSR215E

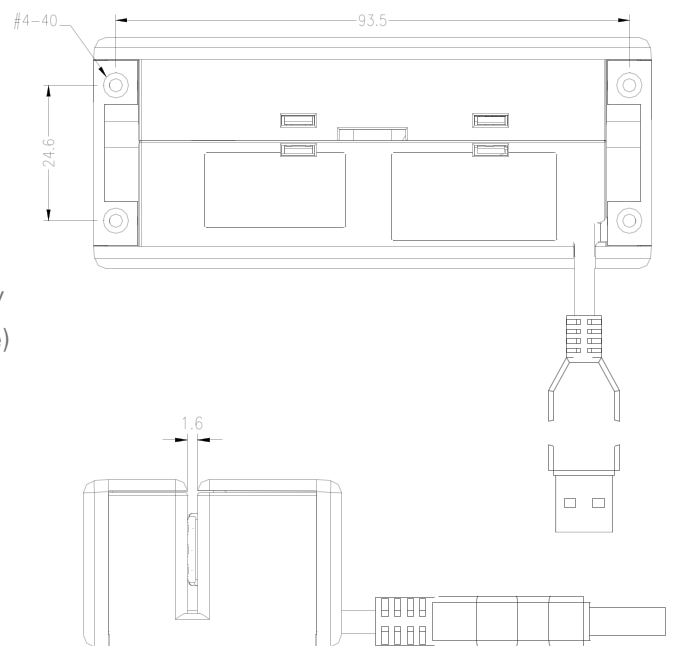
## End to End Encryption Magnetic Stripe Reader with SRED



The countertop encrypted magnetic stripe reader, MSR215E, supports two frequency coherent phase decoding and communicates with a host computer via USB interface. It is a manual reader and read magnetic stripe cards in both directions, forward or backward. The three magnetic stripes are capable of reading data at 210bpi and 75bpi and are encoded as per International Standards Organization (ISO) 7810/7811, American Association of Motor Vehicle Administrator (AAMVA) and California Department of Motor Vehicles (DMV) standards.

## Features and Benefits

- Two-Frequency coherent phase(F2F) decoding
- High-performance 32-bit enhanced RISC SecureCore Microcontroller
- Reads Magnetic Strip cards conforming to ISO7810 and 7811
- Triple track and support for 75/210bpi recording density
- Reads both low and high coercivity cards (300-4000Oe)
- Built-in battery for security data backup
- Supports multiple interfaces (USB HID-MSR, USB HID-KB, USB Virtual-COM, RS232)
- Built-in 1.7 meter cable can come out from bottom or side wall
- Reader status LED
- ESD Performance: 8kV (air discharge)//4kV (contact discharge)



Banking



Kiosk



Hospitality



# MSR215E

## Read and Write Magnetic Stripe Device with SRED

The tamper resistant hardware-based encryption, TDES, AES, ESA security and Derived Unique Key Per Transaction (DUKPT) key management makes MSR215E unique for several verticals. In addition, it also supports TransArmor and HP/Voltage Security standards. The MSR215E conforms to Federal Communications Commission (FCC) Class B, European Conformity (CE) Class B, European Restriction of Hazardous Substances (RoHS) standards.

### Specifications

#### MECHANICAL

<b>Body Material:</b>	PC+ 20%GF ABS, 94V-0
<b>Dimensions:</b>	102mm (L) X 42mm (W) X 28mm (H)
<b>Weight:</b>	Approx. 130g
<b>Card Handling Method:</b>	Manual swipe, bi-directional

#### ENVIRONMENTAL

<b>Operating Temperature:</b>	-10°C to +55°C
<b>Storage Temperature:</b>	-30°C to +70°C
<b>Operating Humidity:</b>	5% to 95% (Non Condensing)
<b>Storage Humidity:</b>	5% to 95% (Non Condensing)

#### AGENCY APPROVAL

**FCC Class B, CE Class B, RoHS, PCI-SRED**

#### INTERFACE

**Communications : USB, RS232 (optional)**

#### ELECTRICAL

<b>Power Requirement:</b>	+5VDC±10% from USB Port
<b>Power Consumption:</b>	100mA Max. in normal condition

#### PERFORMANCE

<b>Read Card Format</b>	Track 1: Bit Density 210 bpi Track 2: Bit Density 75 bpi Track 3: Bit Density 210 bpi
<b>Card Types:</b>	Magnetic cards as per ISO7810, 7811, AAMVA
<b>Read Capability:</b>	Magnetic stripe - dual or triple track of low/high coercivity (300~4000 Oe)
<b>Test Card Types</b>	Standard card: Read Speed 5~55 ips Jitter±15%: Read Speed 5~50 ips Amp.60%: Read Speed 5~50 ips
<b>Card Thickness:</b>	0.76 ±0.08mm
<b>Error rate:</b>	<0.5%
<b>Magnetic Head Life:</b>	1 M Swipe



#### UIC USA

47341 Bayside Parkway, Fremont,  
CA94538, USA  
Tel: 510-438-6799 Fax: 510-438-6790  
info@uicusa.com

#### UIC Taiwan

1F, No.1, Ln 15, Ziqiang St., Tucheng Dist.,  
New Taipei City 236, Taiwan.  
Tel: 886-2-2268-7075 Fax: 886-2-2269-5686  
salesupport@uniform.com.tw

#### UIC Europe GmbH

Daimlerstraße 6, 61449 Steinbach  
am Taunus, Germany  
Tel: +49 6171 2088 Fax: +49 6171 2088 413  
info@uiceurope.com