UIC

Encryption Magnetic Stripe Reader

MSR213E
Series

- Card data is encrypted with Triple DES algorithm using DUKPT key management.
- Track data output is masked according to a Mod 10 Correction setting.
- Reads Magnetic Stripe cards conforming to ISO7810 and 7811
- Triple track and support for 75/210bpi recording density
- Read both low and high coercivity cards (300-4000 Oe)
- Bi-directional card swipe
- Supports multiple interfaces (USB HID-MSR, USB HID-KB, USB Virtual-COM)
- Two-frequency coherent phase (F2F) decoding
- Reader status LED and buzzer

MAGSTRIPE   SECURITY

Trusted Name
UIC is a leading manufacturer of payment devices and transaction solutions. Known in the industry for reliability and dependability, UIC products offer high value and quality at a reasonable price.

UIC Solutions
With a commitment to technological development initiatives, UIC consistently creates innovative award-winning products that ensure data transactions are simple, secure and transparent to the customer. The product portfolio includes PIN pads, check readers, contactless readers, magnetic stripe readers, insert readers, chips and decoder chips.

MSR213E Series

Encryption Magnetic Stripe Reader

SPECIFICATIONS

ELECTRICAL

F2F MRD 532 decoder

Processor	Micro-controller capable of TDES processing
Magnetic Card Reader	ISO7811; Triple tracks reading
Power Requirement	+5VDC +-10% from USB Port
Power Consumption	35mA Max. in normal condition.
Interface	USB HID KB emulation / USB HID

MECHANICAL

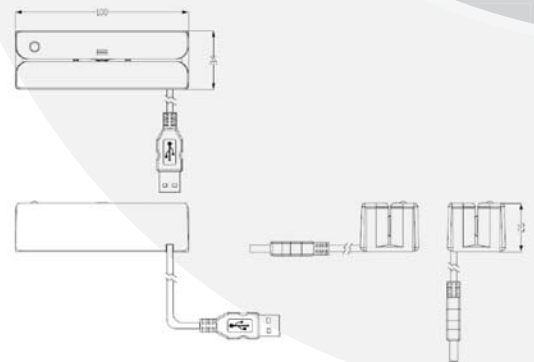|	
Body Material	ABS 94V-0
Dimensions	3.94" (100 mm) L x 1.34" (34 mm) W x 1.10" (28 mm) H
Weight	Approx. 4.2 ounces (120 g)
Connector	USB Type A Plug
Card Handling Method	Manual swipe, bi-directional

ENVIRONMENTAL

Operation Temperature	14°F to 122°F (-10°C to +50°C)
Storage Temperature	-22°F to 158°F (-30°C to +70°C)
Operation Humidity	10% to 90%
Storage Humidity	10% to 90%

AGENCY APPROVAL

FCC Class B, CE Class B, BSMI Class B.
Meet PCI DSS requirement
Meet UPOS requirement (current version 1.12)

PERFORMANCE

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

UIC Headquarters

1FL.,No.1,Ln.15, Ziqiang St.,Tucheng Dist.,
New Taipei City 236,Taiwan, R.O.C.
TEL : +886-2-2268-7075   FAX : +886-2-2269-5686
Email : salessupport@uniform.com.tw

UIC USA

47341 Bayside Parkway,
Fremont, CA 94538, USA
TEL : + -510-438-6799   FAX : +1-510-438-6790
Email : info@uicusa.com

UIC Europe GmbH

Daimlerstraβe 6, 61449 Steinbach
am Taunus, Germany
TEL : +49 6171 2088 404   FAX : +49 6171 2088 413
Email : info@uiceurope.com

www.uicworld.com