# MX53 Magstripe & LF RFID Reader

**Mag Card** | **LF RFID**

**MX53** EM is the Ideal Multi-Functional Reader to help you Read Magstripe and Low Frequency 125 KHz RFID ID Cards.

No need to purchase more than one reader, the MX53-EM will help your organization to save money. With the Built in Flash Upgrade option, your hardware will always be up to date.

Ideal for varieties of applications, such as reading Driver's Licenses, Credit Cards, Health Card or any other contactless Smart cards. Equipped with a multitude of configurations which are easily customized to your needs and applications.

**Part# MX53-CBP-EM**

Unlike any other reader on the market today, you will not need to stock different models to support USB VRS Serial, Keyboard, HID or Custom applications.  Using the MX5 Utility you can select the desired communication (HID KB, VRS, HID Report output setting, save your changes into Flash memory of the MX5 device and your MX5 device  is ready to meet your needs.

**Fingerprint Module Available**

**Available in High Frequency RFID**

## Features & Benefits

- Cost Effective Solution with both Magnetic and 125 KHz LF RFID Reader Function
- Triple Track Reading (Selectable Tracks), Bi-directional Swiping
- Built-in Data Encryption Option with the MX5 High Speed 32 bit Processor: Triple DES, AES128, Advanced Security Features and Masked Data Available
- Specifically Designed to Meet PCI DSS Requirement
- ABA, ANSI, ISO, AAMVA, CADMV Compatible
- Audible and LED Good Read and Error Indicator
- Programmable Sound & LED On/Off
- Flash Upgradable Firmware with Selectable HID KB, VRS (serial), USB-HID or Custom communication settings
- Auto Caps Lock Detection, Upper Case or Lower Case Option
- Built-in Boot Load Function for Easy Firmware Upgrade
- QuickSet® using Default Setup Card for Ease of  Custom Settings and hardware deployment
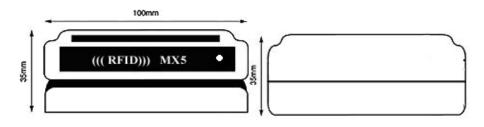- Two Year Warranty

FC

CE

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RoHS

# Specifications:

| | |
|---|---|
| **Built-in Magnetic Card Decoder** | Yes |
| **Supported Card Type** | EM, TI, AT Simultaneous card type reading |
| **Supported Standard** | ABA, ANSI, ISO,AAMVA, CADMV |
| **Communications** | Selectable HID KB, VRS (serial), USB-HID or Custom communication settings |
| **Power** | USB Type A (Default) Also Available in  PS2 Mini DIN6/DIN 5, RS232   DB9F using Cable Converter option |
| **Current mA** | 45-65 mA |
| **Connectors** | USB Type A |
| **Cable Length** | 6 Ft  (180 cm)(Default) also Available in<br>2 Ft ( 60 cm) and 15 Ft (450 cm) |
| **Dimensions (LxWxH)** | 100 x 48 x 35 mm |
| **Total Weight** | 150 g |
| **Operating Temp.** | - 20 C to 55 C |
| **Humidity** | 10% - 90% relative humidity |
| **Quick Set® Factory Default Card** | Yes One step Default setup card,  Customizable |
| **Set-up Utility** | Yes |
| **Flash Memory Setting Update** | Yes |
| **Boot Load Flash Upgradable Memory** | Yes |
| **Selectable Tracks** | Yes (Separate Track selection for both ISO & AAMVA) |
| **Selectable Available Tracks** | 1, 2, 3 (Selectable Tracks) |
| **Track Swipe Rates** | 2 :   125 ips at 75 bpi<br>1, 3: 60 ips at 210 bpi |
| **Head Life** | Over 1,000,000 passes |
| **Programmable Sound & LED  On/Off** | Yes |
| **Programmable Carriage Return** | Yes (Each Track and Group)  for both Magstripe & RFID |
| **Programmable  Inter character Delay** | Fixed |
| **Programmable SS/ES Selectable Char.** | Yes (Each Track and Group)  for both Magstripe & RFID |
| **Parity and LRC Data Checking** | Built-in, audible and LED good read and error indicator |
| **Classification Supported** | 125 KHz EM, TK, AT |
| **Certifications** | CE, FCC, UL, RoHS |
| **Support Operating Systems** | Win 10, Win 7, Win 2008 ,Vista, Win 2003, Win 2000, Unix, Linux, IOS |
| **Warranty** | 2 years |

**USB to PS2 Converter Cable Available**

**USB to RS232 Converter Cable Available**

## Dimension View:

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Specifications subject to change without notice