





# Contactless Smart Card Readers

Using Mifare® contactless smart card (IC) technology and integrated keypad function to enhance the security level. The integrated LCD function also improve the system performance and meet the needs of end-user. Flush mounted design is easy to install in US standard gang box and UK standard junction box and also match the architecture design.

			
W110-01MX	W110-01DX	W110-01KX	W110-01FX
<ul style="list-style-type: none"> <li>• Compact size :113mm x 90mm x 28.5mm</li> <li>• Easy to install : Flush mount for US standard gang box and UK standard junction box</li> <li>• Wiegand interface from 26 bits</li> <li>• Indicators:               <ul style="list-style-type: none"> <li>- 1 LED power indicators,1 dual-color LED indicator</li> <li>- A fixed toned buzzer</li> </ul> </li> <li>• Waterproof standard up to IP54</li> <li>• Up to 50 mm card read operation distance</li> </ul>	<ul style="list-style-type: none"> <li>• Compact size :113mm x 90mm x 28.5mm</li> <li>• Easy to install : Flush mount for US standard gang box and UK standard junction box</li> <li>• Wiegand interface from 26 bits</li> <li>• Indicators:               <ul style="list-style-type: none"> <li>- 1 LED power indicators, 1 dual-color LED indicator</li> <li>- A fixed toned buzzer</li> </ul> </li> <li>• 3 x 4 matrix silicon rubber keypad (0~9, #, *)</li> <li>• Waterproof standard up to IP54</li> <li>• Up to 50 mm card read operation distance</li> </ul>	<ul style="list-style-type: none"> <li>• Compact size :113mm x 90mm x 28.5mm</li> <li>• Easy to install : Flush mount for US standard gang box and UK standard junction box</li> <li>• Wiegand interface from 26 bits</li> <li>• Indicators:               <ul style="list-style-type: none"> <li>- 1 LED power indicators, 1 dual-color LED indicator</li> <li>- A fixed toned buzzer</li> </ul> </li> <li>• 3 x 4 matrix silicon rubber keypad (0~9, #, *)</li> <li>• 16 x 2 Graphic LCD display</li> <li>• Waterproof standard up to IP54</li> <li>• Up to 50 mm card read operation distance</li> </ul>	<ul style="list-style-type: none"> <li>• Compact size :113mm x 90mm x 28.5mm</li> <li>• Easy to install : Flush mount for US standard gang box and UK standard junction box</li> <li>• Wiegand interface from 26 bits</li> <li>• Indicators:               <ul style="list-style-type: none"> <li>- 1 LED power indicators, 1 dual-color LED indicator</li> <li>- A fixed toned buzzer</li> </ul> </li> <li>• 3 x 4 matrix silicon rubber keypad (0~9, #, *)</li> <li>• 16 x 2 Graphic LCD display</li> <li>• Waterproof standard up to IP54</li> <li>• Up to 50 mm card read operation distance</li> </ul>



## Physical

- Dimensions ISO 7816-7810 compliant (except thickness that can be up to 0.9 mm)
- Material PVC or equivalent material at card surface with transparent overlay, matt finish
- Color / printing White card (Option: 4C+1C\_color printing)

## M8-01 Contactless Smart Card features :

- Memory 8-KBit EEPROM, read/write
- RF interface as suggested by ISO14443, type A
- Operating frequency 13.56 MHz
- Communication speed 106 K-baud
- Multiapplication memory 16 sectors
- Fixed serial number Unique, 32 bit
- Write endurance minimum 100,000 cycles
- Data Retention 10 years
- Operating distance up to 10cm
- Operating Range 23+/-3 0 to 5cm with reference reader

Using Mifare standard contactless smart card that, suitable for any payment card system for multi-application environment. It was developed with an emphasis on user convenience, speed, reliability, security against fraud, and cost effectiveness. Using unique serial number and encoded access key between card and reader, the security level is higher than traditional proximity card / magnetic card.

**TOPPAN FORMS**

Hotline: 25132152  
 enquiry@toppanforms.com  
 URL:www.toppanforms.com

Unit 1075A., HITEC, 1 Trademart Drive, Kowloon Bay, Kowloon.