
























## Mifare & ISO14443A-4 UID Reader

### Design & Technologies

-  Read both CSN and Sector of Mifare card and FULL UID of Mifare Plus and DesFire card.
-  Number pad use "touching sensor", the latest technology and individual number backlit when touch.
-  Display Magic can provide customer a full series of choices
-  Support on-site Reader Configuration Card to change certain parameters.
-  OLED Display allow user to see the message clearly under direct sunlight.
-  Display reader can display user CSN number or Programmed Card Number or user multiple language Name and Department when the user card is present.\*
-  Economical Mini Magic can be mullion mount.
-  Front plate customization and back lit design is available.
-  Design with End User logo is possible.
-  Door Bell function for Number pad reader.
-  Tamper protection
-  A PIN can be set inside the card to authenticate with the reader so that "Card + PIN" mode can be implemented without relying on the controller.\*

### Friendly Installation

-  "Touch" number pad does not carry any moving parts, which implies more durable.
-  All models are filled with epoxy and weather proof.
-  Metal back plate allows the reader install on metal surface and back-to back without affecting the read range.
-  Universal back plate allows the reader be installed on different size of gang box.
-  Non-drop bottom screw made servicing handier.
-  All input and output signals are protected against static charges.
-  Reverse power protection.
-  Stainless steel Security screw is an option
-  All inputs are 12Vdc protected.

**Model Number:****X<sub>1</sub>X<sub>2</sub>N<sub>1</sub>N<sub>2</sub>N<sub>3</sub>-N<sub>4</sub>X<sub>3</sub>**

<b>X<sub>1</sub>X<sub>2</sub></b>	MW = Mifare Technology
<b>N<sub>1</sub></b>	3 = Normal Reader 5 = Display Reader
<b>N<sub>2</sub></b>	2 = Normal Size; 8 = Mini Size
<b>N<sub>3</sub></b>	2 = CSN; 3 = Sector reading (Only Mifare)
<b>N<sub>4</sub></b>	3 = Terminal (for Display Reader) 8 = Pigtail
<b>X<sub>3</sub></b>	N = No Number pad; K = Number pad

Description	Mifare & UID of Mifare Plus & UID of DesFire
Mini Reader	MW382-8N
Read CSN Only	MW322-8N
Number pad Reader	MW322-8K
OLED Display Reader	MW522-3K

Model	MW382	MW322	MW522
Functions	MW383	MW323	MW523
<b>Configurable Functions</b>			
Re-configure Window	5 seconds (Default) or Half an hour after Power up		
Reader Output Format	UID 32bits, 34bits, 56bits (backward/forward), sector reading for programmed ID (Mifare)		
Wiegand Plus Width	Different choices to fit with different Controller's requirements		
Keypad Output	N/A	Definable	Definable
Buzzer Control	Reader & Controller control (Default) or Controller control only		
LED/Back lit Control	Define different LED color response base on Green LED input		N/A
Display Clock Synchronization.	N/A	N/A	<ul style="list-style-type: none"> <li>H/W reset</li> <li>Via RS485 TimeSyn S/W</li> </ul>
<b>Technical Specifications</b>			
Typical Read range	3 to 5cm		
Standard Output	Wiegand		
Standard Keypad output	N/A	Wiegand with 4 bits burst	Wiegand with 4 bits burst
Display	N/A	N/A	OLED Display
Display Message	N/A	N/A	<ul style="list-style-type: none"> <li>Access Granted, Access Denied, Enter PIN;</li> <li>Time; Date (with TimeSyn S/W);</li> <li>Card Number, Name (Chinese)</li> </ul>
Wiring Distance	150m (22 AWG with shielded cable)		120m (22 AWG with shielded cable)
Frequency & Standard	13.56MHz; ISO14443A-4		

**Operating Specification:**

Operating Voltage	10 - 15VDC	Case material	PC+ABS
Operating Current	150mA (max)	Standard Color	Black
Operating Temperature	-30℃-70℃	Exterior dimension	115.5*84.5*20.5mm
Operating Humidity	10% - 90%	Weight	210g

**Note:** "\*" means require using MifareWorks Programmer