



### Design & Technologies



Supports the different types of RFID technology:

- 125KHz
- 13.56MHz (Mifare, DesFire, LEGIC, Felica, iClass, China ID card's UID)



Keypad adopted "touching sensor" to increase the durability and easy to use.



Supports custom scroll message for maximum of 21 characters on OLED Display reader.



Supports on-site Reader Configuration Card to change reader's parameters if needed.



OLED Display allows user to see the information under direct sunlight.



Keypad reader supports Doorbell trigger signal function.



OLED Display reader can display CSN/UID number or Programmed Card Number or Username when the user card is present. (Supports Multiple Languages)



Fully supports multiple Access Modes via App: Show-to-Go / Shake-to-Go/ Hands Free / Manual Button.

### User-Friendly Installation



Universal back plate allows the reader installed in different size of gang boxes.



Tamper protection



Non-drop bottom screw made installation and servicing handier.



All input and output signals are protected against static charges.



Metal back plate allows the reader install on metal surface without affecting the read range.



Reverse power protection



All inputs are 12Vdc protected.



IP65 Certificate

### SPECIFICATIONS

Functions	Model	SP-MW-322-8N (Mini Magic)	SP-MW-322-8K (Standard Reader)	SP-MW-382-8N (Standard Keypad Reader)	SP-LE-522-3K (OLED Display Keypad Reader)
<b>Configurable Functions</b>					
Reconfiguration	5 seconds(default) or half an hour after power up				
Card Format	CSN/UID 32bits, 34bits, 56bits (backward/forward), file content reading for programmed ID				
Keypad Output Format	N/A	N/A	4bits(default) / 8bits / 26bits	4bits(default) / 8bits / 26bits	
Buzzer Control	Reader & Controller control (default) or Controller control only				
LED/Back lit Control	Blue: idle; Green: Access Granted; Red: Access Denied.			N/A	
Display Clock Synchronization	N/A	N/A	N/A	- H/W Reset, Via RS485 Time Syn S/W	
<b>Technical Specifications</b>					
Typical Read Range	1 - 8 cm (depends on the RFID technology)				
Reader Standard Output	Wiegand (RS232 & RS485 optional)				
Support dual frequency technologies	N/A	Available	Available	Available	
Display	N/A	N/A	N/A	-OLED Display, 4 rows × 21 characters	
Displayed Information	N/A	N/A	N/A	<ul style="list-style-type: none"> <li>- Access Granted, Access Denied, Enter PIN; Time, Date (Time Syn S/W); Card Number</li> </ul>	
Typical Wiring Distance	150m (22 AWG with shielded cable)			120m (22 AWG with shielded cable)	

### Operating Specifications

Operating Voltage	10 - 15VDC
Operating Current	150mA (Max.)
Operating Temperature	-30°C - 70°C
Exterior Dimensions (Mini)	115.5*84.5*20.5 mm (84.05*54.05*16.5 mm)
Case Materials	PC + ABS
Standard Color	Black case Black cover / Beige case Silver cover / White case Silver cover
Operating Humidity	10% - 90%, non-condensing
Weight (Mini)	210 g (160 g)