

# CONTROLLER+READER

Networking & Stand-alone Controller  
Networking Reader

## AR-727H

EM125KHz Mifare 13.56MHz

- Waterproof, could be installed outside
- User friendly editing interface supported by LCD panel
- TTL serial supported for connecting external printer, LED, etc.
- Built-in anti-tamper function
- Built-in watchdog to prevent the system from halting
- An extra WG port which allows connecting to another WG reader (for exit or anti-pass-back)
- Easily integrated with Soyal or other access control systems
- Event log preserved up to 10 years



**2** Connected With PC  
-For management purpose



**3** Connected With Controller  
-For up to 15,000 Users.



Multi-Functions

**1** Stand-alone Operation  
-For Door Access Management Purpose



# SOYAL®

FC CE  
SOR MA

MADE IN TAIWAN

# CONTROLLER + READER

Networking & Stand-alone Controller /  
Networking Reader

# AR-727H

## Specification

Mode No.	M4	M6	M8
RF Frequency	125KHz		13.56MHz
User Capacity	1,024	65,536	1,024
Event Log	1,200	-	1,200
Power Requirement	10-24VDC		
Power Consumption	< 3W		
Communication Interface	RS-485		
Baud Rate	9600 bps (N, 8, 1)		
Environment	-20°C to +75°C		
DI Input	Egress Button / Door Sensor / Arming Switch		
DO Output	Arming LED/ Alarm Relay Output / Door Relay Output / Card present / Duress		
Compliance	-	ISO14443A	
Door Relay Time	0-600 sec.		
Alarm Relay Time	0-600 sec.		
Tamper Resist. Switch	Limit Switch (Form C)		
Aux. WG Port	WG 26/34, ABA-II		
Anti-pass Back	Yes	-	Yes
Lift Control	Yes (32 stops, 1024 users)	-	Yes (32 stops, 1024 users)
Editing Interface	Controller / PC Software	Controller	Controller / PC Software
Proximity Reading Range	10-18cm (125K) / 3-8cm (13.56M)		
Serial Out	TTL (4800bps, N, 8, 1)		
Water Proof	IP 54		
Real Time Clock	Yes		
Color	Dark Gray		
Dimension (mm)	126(H)*91(W)*46(D)		
Weight (g)	200±10		
Housing Material	ABS		
LCD Panel (pixel)	128*64 (4 line messages, 16 characters each line)		
Access Mode	Card Only Card or PIN* Card + PIN	Card Only Card or PIN Card + PIN	Card Only Card or PIN Card + PIN

\* Under **M4**, the **PIN** here actually refers to **User Address + PIN** which is designed for more security by asking users to key in their individual user address prior to PIN.

Stand-Alone

Networking

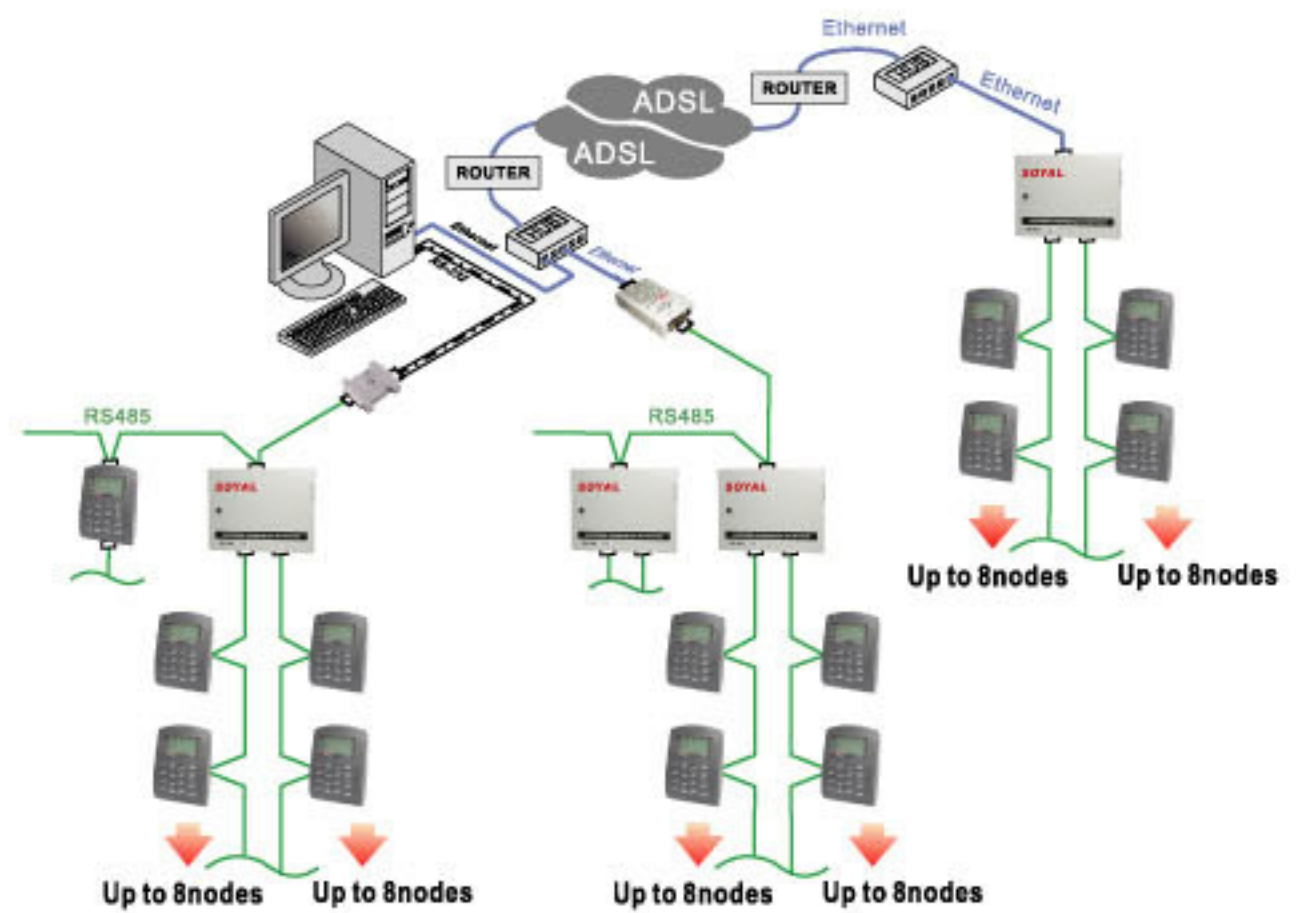
125K

Mifare®

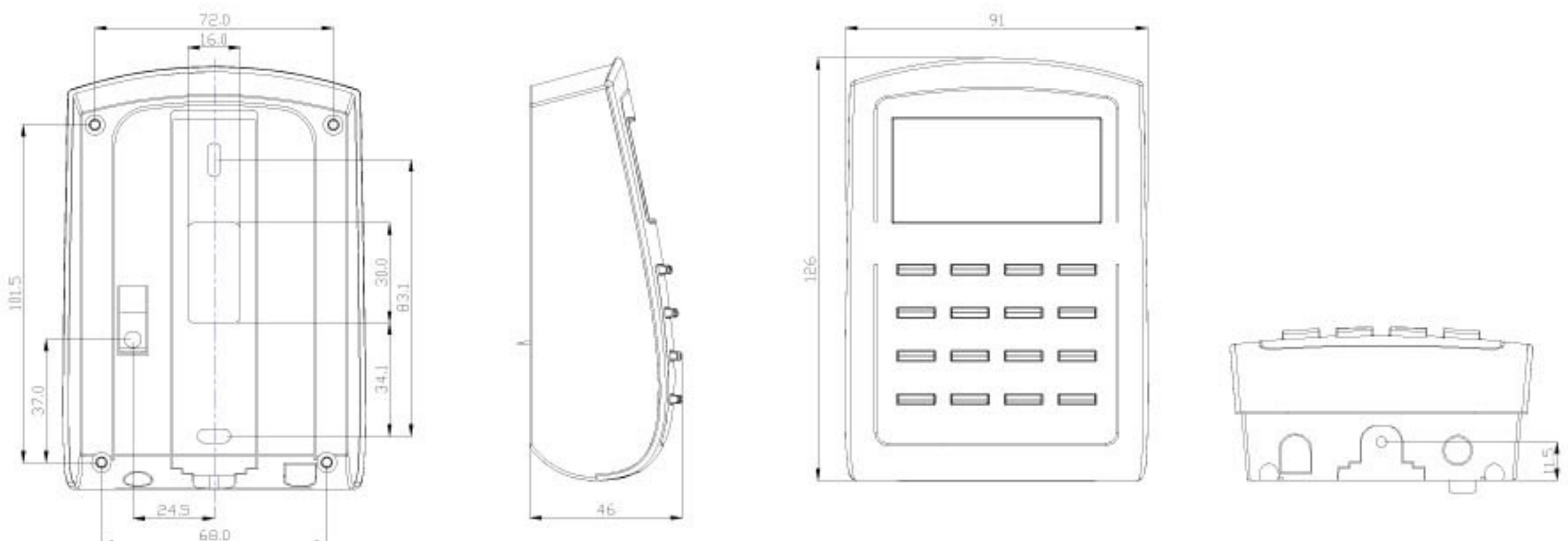
Waterproof



## System Architecture



## Dimension



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