

# Quick Start

### 「 ACS-11P-MF 」 Package Checklist

The package includes the following items:

- One ACS-11P-MF module
- One Quick Start
- One software utility CD
- Cables(CA-012x2, CA-013x1, CA-019x1, CA-020x1)

### Note:

If any of these items are missed or damaged, contact the local distributors for more information. Save the shipping materials and cartons in case you want to ship in the future.

# • Pin assignments

Table 1: Connector Pin Assignment

Connector Type		Pin Assignment			Description	
CN1	(CA-019)	D	+	D-		RS-485(D+/D-) Baud Rate (bps): 9600 Parity: NONE, Data Bits: 8, Stop Bits: 1
CN2	(CA-020)	DI0	G	DI1 G		DI0(Door position detection) DI1(Electric lock trigger) (Digital Input, Dry Contact)
CN3	(CA-012)	NC COM NO				Electronic lock control (Relay Output)
CN4	(CA-012)	NC COM NO				Door position alarm output (Relay Output)
CN5	(CA-013)	СОМ	[	NO	NC	Anti-sabotage detection (Relay Output)

## Hardware Installation



Figure 1: Wiring diagram

Input Type	ON	OFF		
Relay Contact (Dry)	Relay □⊖ DIx Close □→ □⊖ GND	Relay Open → ⊕ DIx GND		
Open Collector (Dry)	ON -↓ □⊖ DIx GND	OFFÇi× ⊫ DIx GND		
Output Type	Relay ON	Relay OFF		
FormC	AC/DC X Load2 NOx COMx NCx	Load1 AC/DC × Load2 □⊖ NOx COMx NCx		

Figure 2: Wire connection

### Software Installation

Before use, associated software configuration, the steps described as follows :

### Connect to host PC, network and power supply



Figure 3: Host PC, Network and Power supply

- 01. Make sure that the network settings on the PC are properly configured and functioning properly
  - a. Entry the IP address as "192.168.0.x", where "x" is a number Between 1 and 254 except 1, Subnet mask as "255.255.0.0". Finally, press "OK" button.



Figure 4: IP address configuration of Computer

02. Make sure that Windows Firewall or antivirus firewall is properly configured to allow incoming connections, or temporarily disable these features

### Execute access control setting program (ACS Config Utility)

- 01. ACS Config Utility can be obtained either from the companion CD or from the ICP DAS FTP site at http://ftp.icpdas.com/pub/cd/ba-ha/acs/acs-11-mf-tc/software/utility/
- 02. Click the "Search" button to search for your module

8	ACS	Config Utility	v1.0	and international						
	File	Device								
	Con	nection								
		Search								
		Name	Alias	IP	м	ask	Gateway	MAC	Net ID I	a
	•								Þ	1

Figure 5: The main screen of the ACS Config Utility

- 03. Select network connection interface of PC
- 04. Click the "OK" button to wait for the search to complete



Figure 6: Select network connection interface

05. Display the device search list and select the module name

SS AC	S Config Utility	/1.0						x
File	Device nnection Search							
	Name	Alias	IP	Mask	Gateway	MAC	Net ID	Е
	ACS-11-MF	ACS-11P v1.58 v1.58	192.168.0.1	255.255.0.0	192.168.0.254	00:0d:e0:c0:00:2b		0
	ACS-11-MF	ACS-11-MF v3.57	192.168.110.4	255.255.0.0	192.168.110.254	00:0d:e0:c0:00:28		0
	ACS-11-MF	ACS-11 v1.58	192.168.110.2	255.255.0.0	192.168.110.254	00:0d:e0:c0:00:2c		0

Figure 7: Device search list

#### Add Mifare card number and Pass password

ACS-11-MF Diagnostic (192.168.0.1) - Connect	-	
Command		
Voice Select Elevator Control	Card UID Password	
010 🗧 🖉 16F 15F02	2632646384 ()3 1234	
▼ 14F ▼ 13F ■	Add UID 04 Add PWD	
▼ 12F ▼ 11F	Del UID Del PWD	
▼ 10F ▼ 09F	Del All UID Del All PWD	Get Record
▼ 08F ▼		
Send Command		
05 11 9C EA FE	F0 00 00 00 00 01 FF FF 05 30 30 00 01 00	18 90
System		
2016/6/14 P+ 03:11:05 : Reply OK		Log Clear
05		Exit

Figure 8: Add card number and password setting screen

- A. Add Mifare card number
  - 01. Select the voice number (0~39): 0
  - 02. Floor control options: Check (enable) / Uncheck (disable)
  - 03. Fill in the UID of card: 2632646384(4 Byte or 7 Byte UID)
  - 04. Click the "Add UID" button
  - 05. Display "Reply OK"; make sure to add the UID successfully
- B. Add pass password
  - 01. Select the voice number (0~39): 0
  - 02. Floor control options: Check (enable) / Uncheck (disable)
  - 03. Fill in the pass password: 1234(4 digits number)
  - 04. Click the "Add PWD" button
  - 05. Display "Reply OK"; make sure to add the pass password successfully
- C. Mifare card induction test
  - 01. Place the Mifare card close to the ACS-xxx-MF
  - 02. ACS-xxx-MF will read the card UID and record the pass information
  - 03. ACS-xxx-MF will open the electronic lock relay (CN4) and play the specified voice
- D. Pass password test
  - 01. Enter the pass password in the ACS-xxx-MF keypad area, and press the "OK" button
  - 02. ACS-xxx-MF will read the pass password and record the pass information
  - 03. ACS-xxx-MF will open the electronic lock relay (CN4) and play the specified voice

#### E. Read the pass records

- 01. Click the "Get Record" button to read a pass record
- 02. Display Card number [2632646384] / Pass password [1234] Status [**Pass**] and Time [Year/Month/day Hour:Minute:Second]

ACS-11-MF Diagnostic (192.168.0.1) - Connect	SHUE BAY OF T BAY UC						
Command							
Voice Select Elevator Control	Card UID Password						
0 iff i	2632646384 1234	UID:2632646384 [Pass] Time:2016/6/14 15:36:14	UID:1234 [Pass] Time:2016/6/14 15:36:25				
♥ 13F ♥ 14F ♥ 13F	Add UID Add PWD	Card LIID 02	Password 02				
▼ 12F ▼ 11F	Del UID Del PWD						
▼ 10F ▼ 09F	Del All UID Del All PWD	Get Record 01	Get Record 01				
<b>⊘</b> 08F ▼							
Send Command							
28 02 52 54 7E D5							
System 2016/6/14 下午 03:36:48 : Reply OK Log Clear Log Clear Log Clear							
		Exit	Exit				

Figure 9: Read screen of pass records

### **Delete Mifare card UID and Pass password**

Command		0.11110		
Voice Select	Elevator Control	Card UID	Password	
0	▼ 16F ▲ ▼ 15F	2632646384 01	1234	
	▼ 14F ▼ 13F ■	Add UID	Add PWD	
	▼ 12F ▼ 11F	Del UID 02	Del PWD	
	▼ 10F ▼ 09F	Del All UID	Del All PWD	Get Record
	V 08F 👻			
Send Command				
	05 11 9C EA FE	E FO 00 00 00 00 01 FF F	F 05 30 30 00 01 00	18 90
System				
2016/6/14 下午 03:1	1:05 : Reply OK			Log Clear

Figure 10: Delete card number and password setting screen

#### A. Delete Mifare card UID

- 01. Fill in the UID of card: 2632646384(4 Byte or 7 Byte UID)
- 02. Click the "Del UID" button
- 03. Display "Reply OK"; make sure to delete the UID successfully

- B. Delete pass password
  - 01. Fill in the pass password: 1234(4 digits number)
  - 02. Click the "Del PWD" button
  - 03. Display "Reply OK"; make sure to delete the pass password successfully
- C. Mifare card induction test
  - 01. Place the Mifare card that has deleted the card number close to the ACSxxx-MF
  - 02. ACS-xxx-MF will read the card UID and record the pass information
  - 03. ACS-xxx-MF will play "Invalid Card" voice
- D. Pass password test
  - 01. Enter the pass password in the ACS-xxx-MF keypad area, and press the "OK" button
  - 02. ACS-xxx-MF will read the pass password and record the pass information
  - 03. ACS-xxx-MF will play "Invalid Password" voice
- E. Read the pass records
  - 01. Click the "Get Record" button to read a pass record
  - 02. Display Card number [2632646384] / Pass password [1234] Status [**Denied**] and Time [Year/Month/day Hour:Minute:Second]

ACS-11-MF Diagnostic (192.168.0.1) - C	Connect	184124					
Command         Voice Select         Elevator Co           0          16F           7         15F         14F           7         12F         12F           7         11F         10F           7         09F         09F	ontrol Card UID 2632646384 Add UID Del UID Del All UID	Password 1234 Del PWD Del All PWD	UID:2632646384 [Denied] Time:2016/6/14 16:2:42 Card UID 02 Get Record 01		UID:1234 [Denied] Time:2016/6/14 16:2:48 Password 02 Get Record 01		
Send Command 28 02 52 54 7E D5 System 2016/6/14 下午 04:03:11 : Reply OK Log Clear Exit Exit Exit Exit							

Figure 11: Read screen of pass records

	Т	roubleshooting
ltem	Problem Description	Solution
1	Power Failure (PWR LED Off)	1. Please return to the ICP DAS for inspection and repair
2	Cards can not be used	<ol> <li>Make sure cards support Mifare S50 standard (ISO 14443-A)</li> <li>EM and HID cards are not supported</li> </ol>
3	How to find out IP address of ACS-xxx-MF?	<ul> <li>1. Entry the default IP operation mode Step1. Press and hold the No. 1 key Step2. Reset the power of ACS-xxx-MF Step3. Now the PWR led flashes and IP address is "192.168.0.1"</li> <li>Step4. Enter the settings web page then find out IP address</li> <li>ICP DAS Access Ca</li> <li>ICP DAS Access Ca</li> <li>IV every intervention (intervention)</li> <li>2. Use eSearch Utility</li> <li>Step1. Launch eSearch.exe</li> <li>Step2. Press "Search Servers" button then find out IP address</li> </ul>

# Technical Support

If you have problems about using the ACS series module, please contact ICP DAS Product Support.

Email: service@icpdas.com