ACS-11P-MF

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			Electronic lock control (Relay Output)
		COM			
		NO			
CN4 (CA-012)		NC			Door position alarm output (Relay Output)
		COM			
		NO			
CN5 (CA-013)		COM	NO	NC	Anti-sabotage detection (Relay Output)

● Hardware Installation
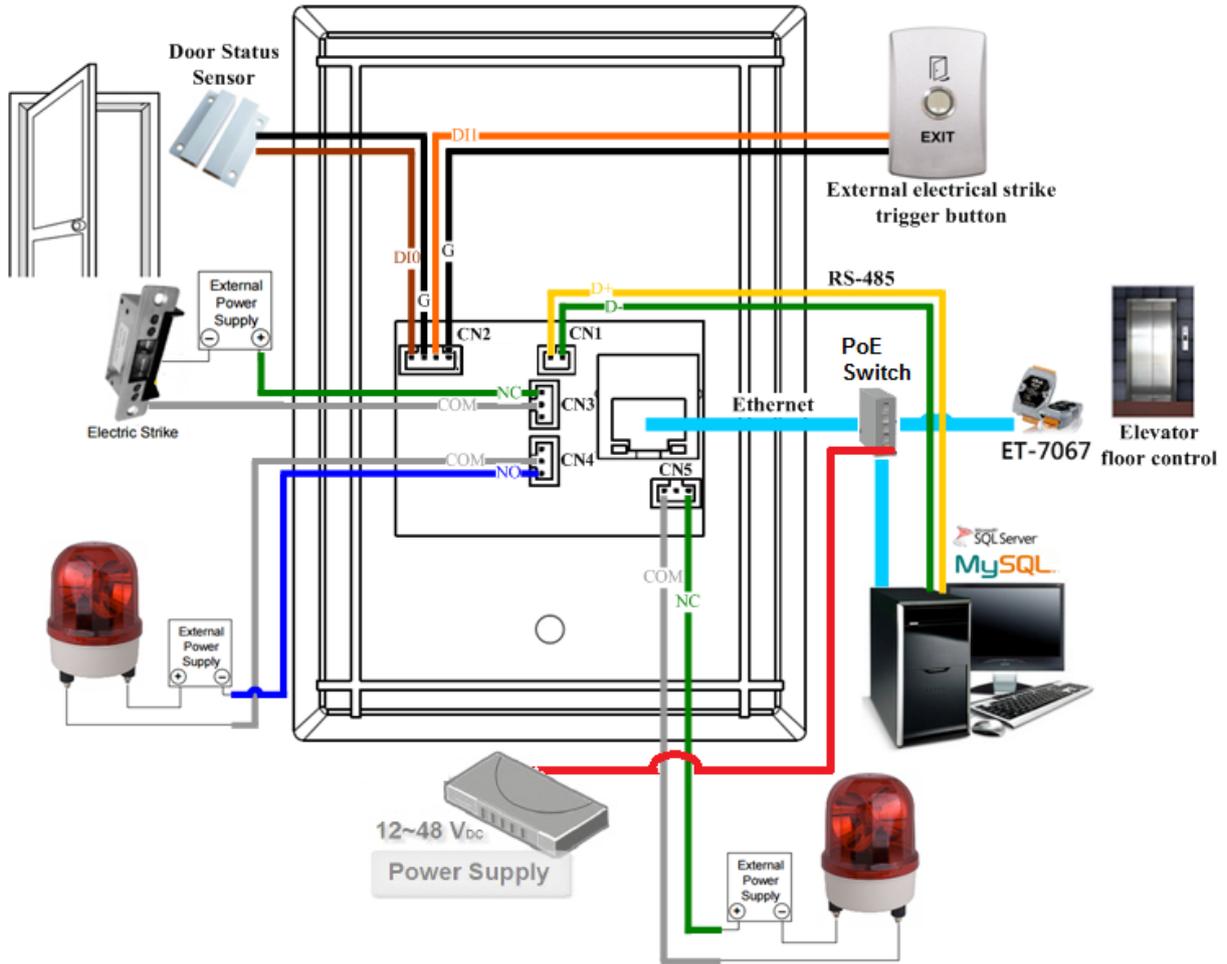
Figure 1: Wiring diagram

Input Type	ON		OFF	
Relay Contact (Dry)	Relay Close ─	DIx / GND	Relay Open ─	DIx / GND
Open Collector (Dry)	ON	DIx / GND	OFF ✕	DIx / GND
Output Type	Relay ON		Relay OFF	
FormC	Load1 — AC/DC — ✕ — 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
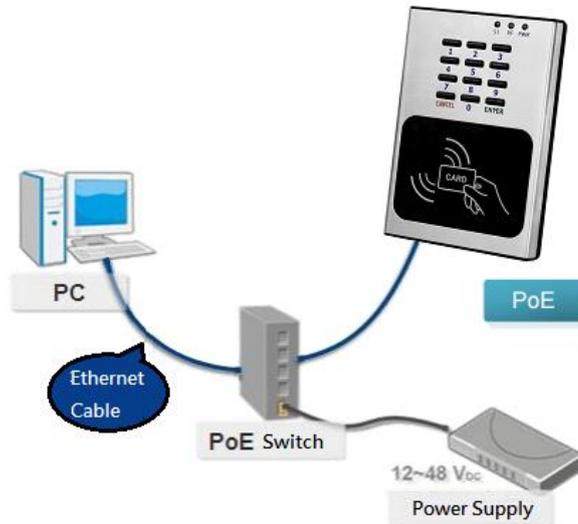
Figure 3: Host PC, Network and Power supply

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.
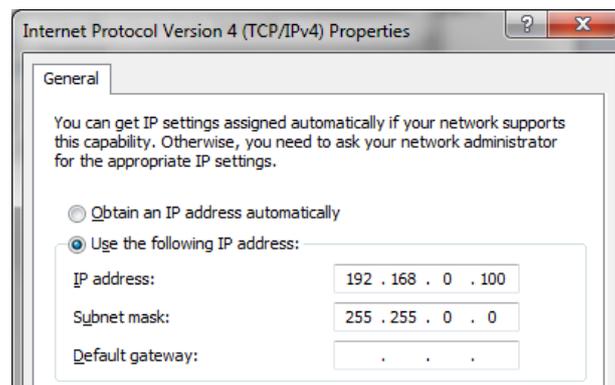
Figure 4: IP address configuration of Computer

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
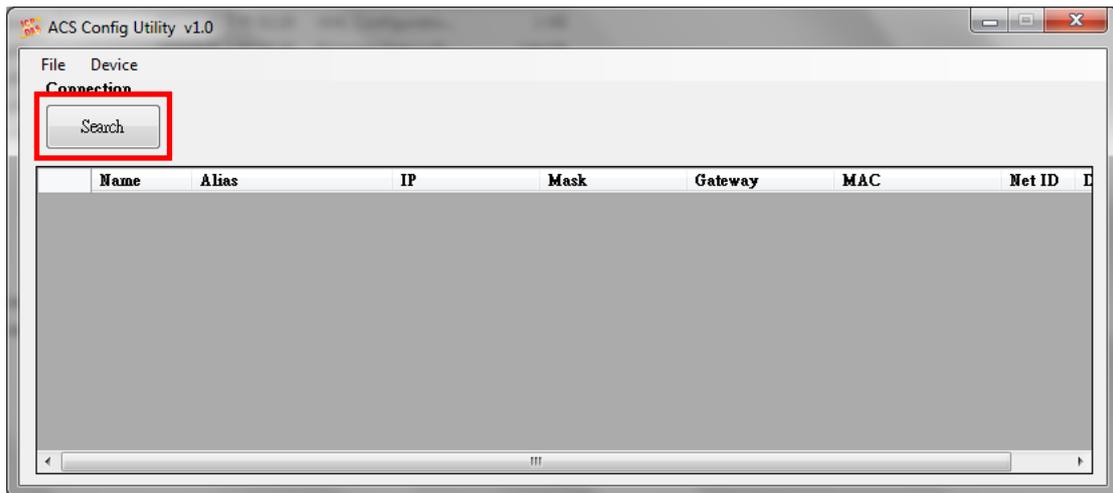
Figure 5**:** The main screen of the ACS Config Utility

03. Select network connection interface of PC
04. Click the "OK" button to wait for the search to complete
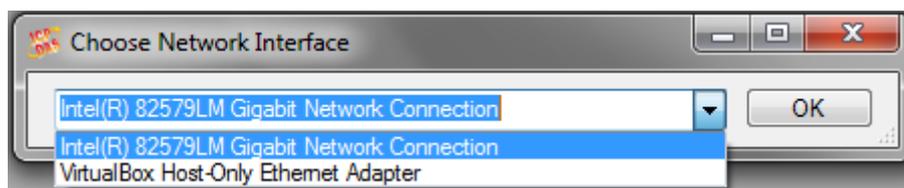
Figure 6**:** Select network connection interface

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

Name	Alias	IP	Mask	Gateway	MAC	Net ID	D
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
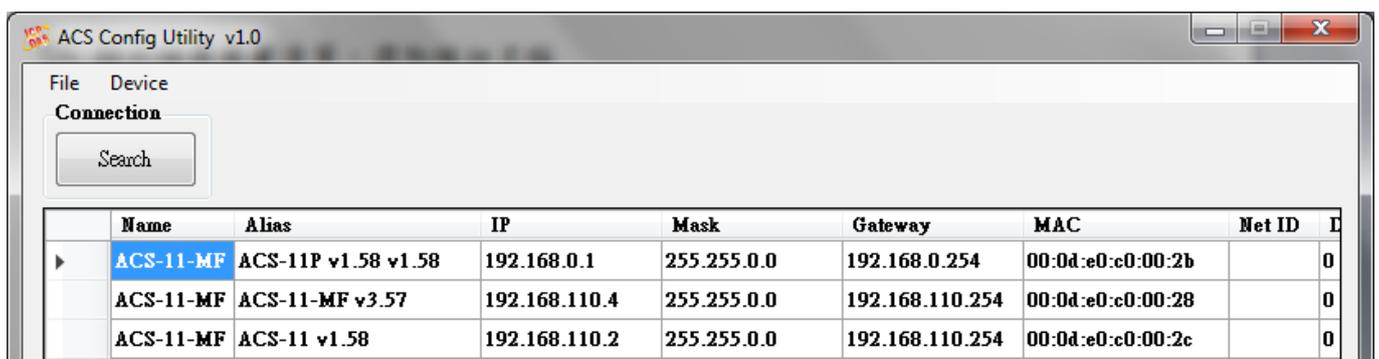
Figure 7**:** Device search list

Add Mifare card number and Pass password
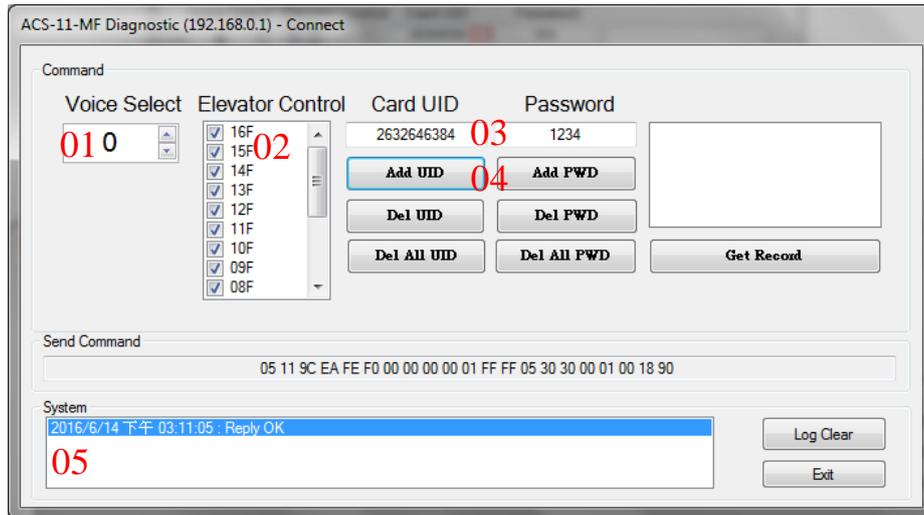
Figure 8: Add card number and password setting screen

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]
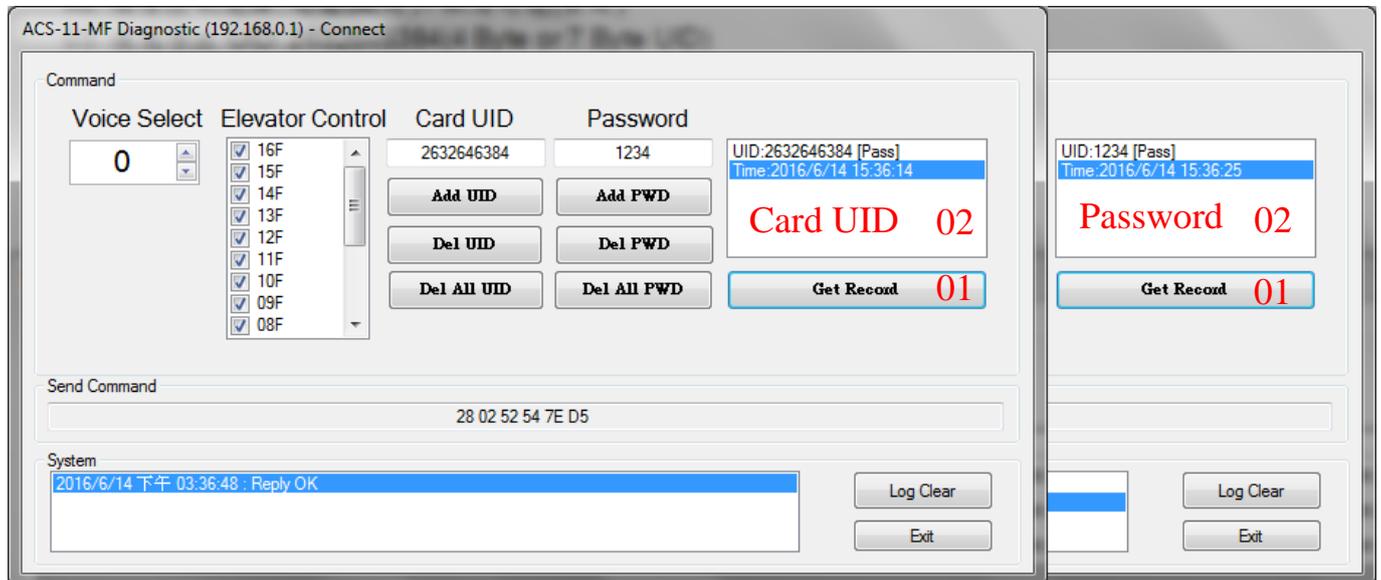
Figure 9: Read screen of pass records

Delete Mifare card UID and Pass password
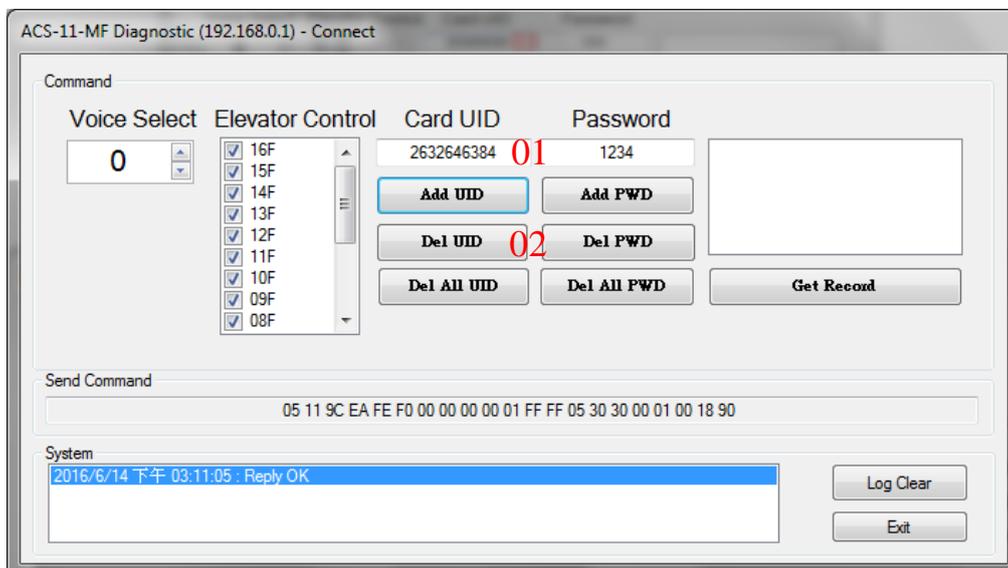
Figure 10: Delete card number and password setting screen

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 ACS-xxx-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]
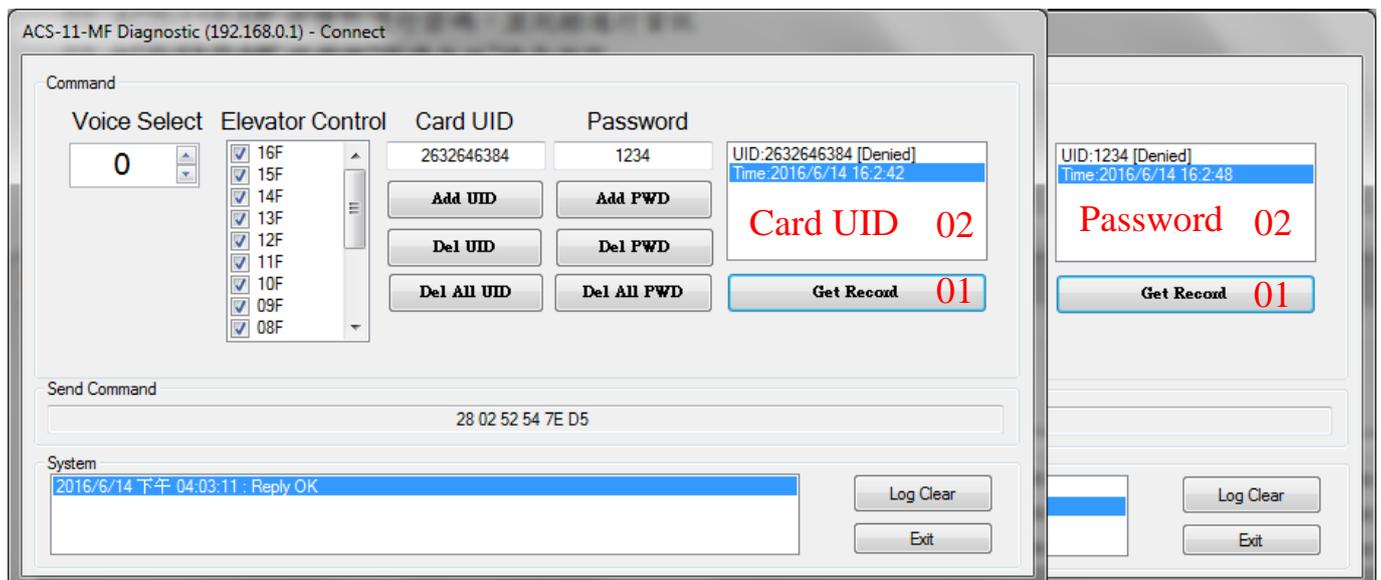
Figure 11: Read screen of pass records

Troubleshooting

Item	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	1. Make sure cards support Mifare S50 standard (ISO 14443-A) 2. EM and HID cards are not supported
3	How to find out IP address of ACS-xxx-MF?	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" Step4. Enter the settings web page then find out IP address 2. Use eSearch Utility Step1. Launch eSearch.exe Step2. Press "Search Servers" button then find out IP address
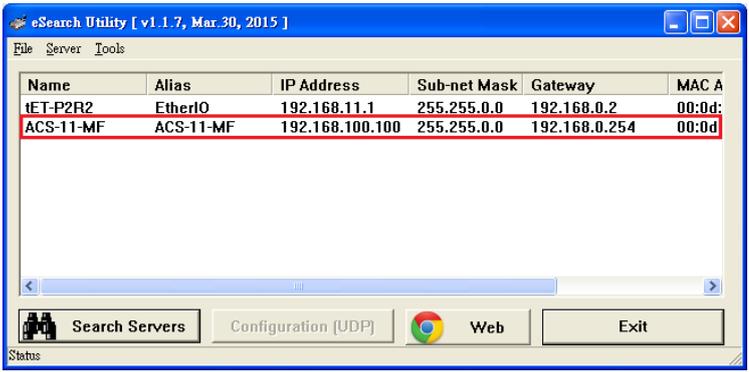
● Technical Support

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

Email: service@icpdas.com