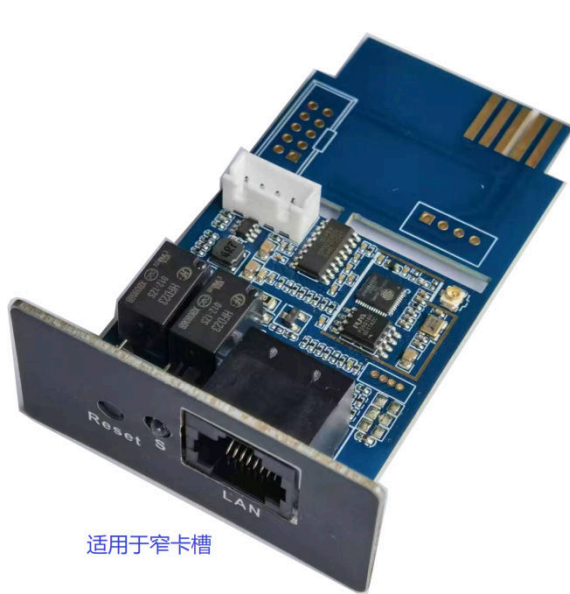


## Ayi9-U-V07

### Modbus(RS485) + Dry

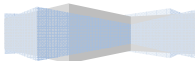
#### 一、Picture



适用于窄卡槽



适用于短卡槽



## 二、 Connect Line

### Wide slot:



### Narrow slot:

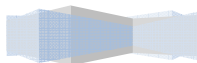


## 三、 Config & Setting

### Method one:

via mobile phone. If mobile phone can search the AP of card,can do it .

- 1, Open WIFI config of mobile phone, search card's AP that the name is starting with Ayi9-xxxx,password is empty.
- 2, Input 192.168.9.1 in the address bar of mobilebrowser,will open th WEB of card.  
And then choice "Power Env" to set.



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### RS485 Modbus

my addr :   
speed :

---

### Dry Contact Output

#### Dry contact #1 :

- ☒ utility fail
- ☐ enter bypass mode
- ☐ battery low
- ☐ UPS overload
- ☐ UPS high temperature
- ☐ UPS fault
- ☐ Including the above
- ☐ Normal(Invt or AVR)

☐ Start the generator

Percent of battery is less than  % to start the generator.

( no effect if valued 0 )

#### Dry contact #2 :

- ☐ utility fail
- ☐ enter bypass mode
- ☐ battery low
- ☐ UPS overload
- ☐ UPS high temperature
- ☐ UPS fault
- ☐ Including the above
- ☒ Normal(Invt or AVR)

☐ Start the generator

“Dry Contact Output” is option

3, After setting up, choice “save & reboot”,the card will aotu\_restart.

### Method second:

**Via RS485 interface, use MODBUS RTU to config:**

default addr is 169 and baud rate is 9600.

Query: (function 0x03)

1, The addr and the baud rate of RS485:

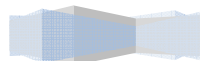
Computer: 00 03 A9 00 00 02 E4 46

Card : 00 03 04 AA BB CC DD CRCL CRCH

Addr = AA<< 8 + BB; baud rate = CC<<8 + DD .

2, The config of Dry: (option)

Computer: 00 03 A9 02 00 02 45 86



Card : 00 03 04 AA BB CC DD CRCL CRCH  
Alarm type of Dry#1 = AA;  
Alarm type of Dry#2 = BB;  
Low Battery Capacity Percentage =  $CC \gg 8 + DD$ ;

Setting: (function 0x06)

1, RS485's addr :

Computer: 01 06 A9 00 AA BB CRCL CRCH

0xA9 00 is Reg. of addr, new addr =  $AA \gg 8 + BB$ , cannot be 0 .;

2, RS485's baud rate:

Computer: 01 06 A9 01 CC DD CRCL CRCH

0xA9 01 is Reg. Of baud rate, new baud rate =  $CC \gg 8 + DD$ , include 2400, 4800, 9600, 19200;

After setting up, the card will auto\_restart.

3, Alarm type of Dry: (option)

Computer: 01 06 A9 02 AA BB CRCL CRCH

0x0902 is Reg. of alarm type.

AA is alarm type of Dry#1, BB is alarm type of Dry #2 .

Low Battery Capacity Percentage:

Computer: 01 06 A9 03 CC DD CRCL CRCH

0xA9 03 is Reg. of per ,  $CC \gg 8 + DD$  is Low Battery Capacity Percentage ,less than 100;

Alarm type of Dry is following:

- 1—Utility is fault
- 2—in Bypass
- 6—Battery valtage is blow
- 8--overload
- 9--overTemp
- 10—UPS is fault
- 16—above all
- 32—normal running(inverter of AVR)
- 64—to start alternator

