

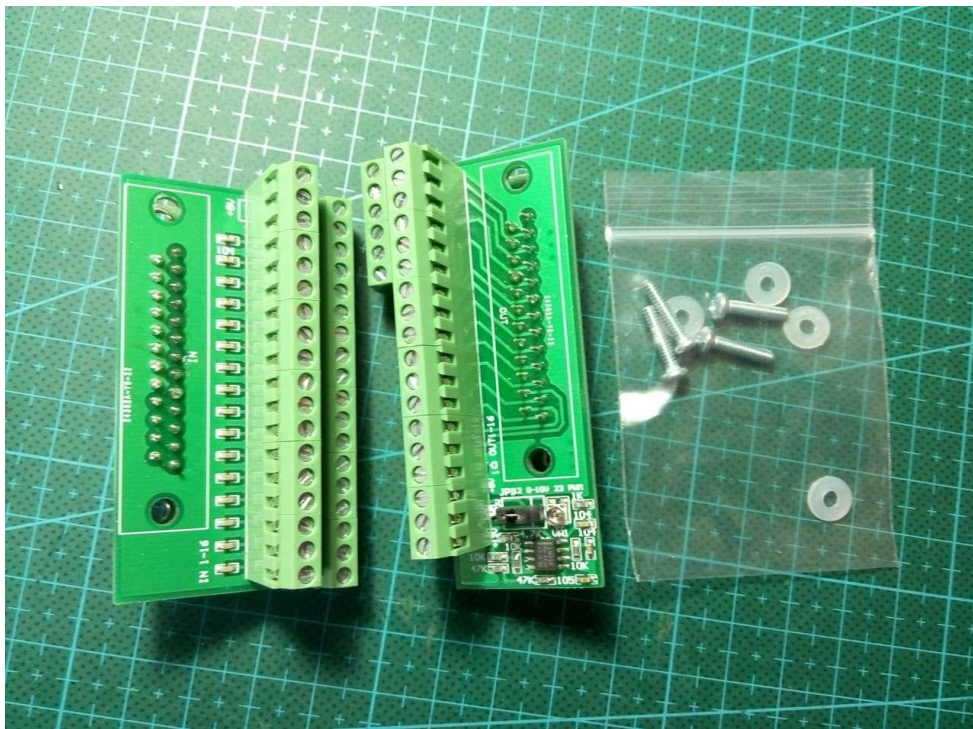
## SMC-IO Modules

IO card for SMC4-4-16A16B type four-axis controller.

Including an input (IN) adapter plate and an output (OUT) adapter plate,

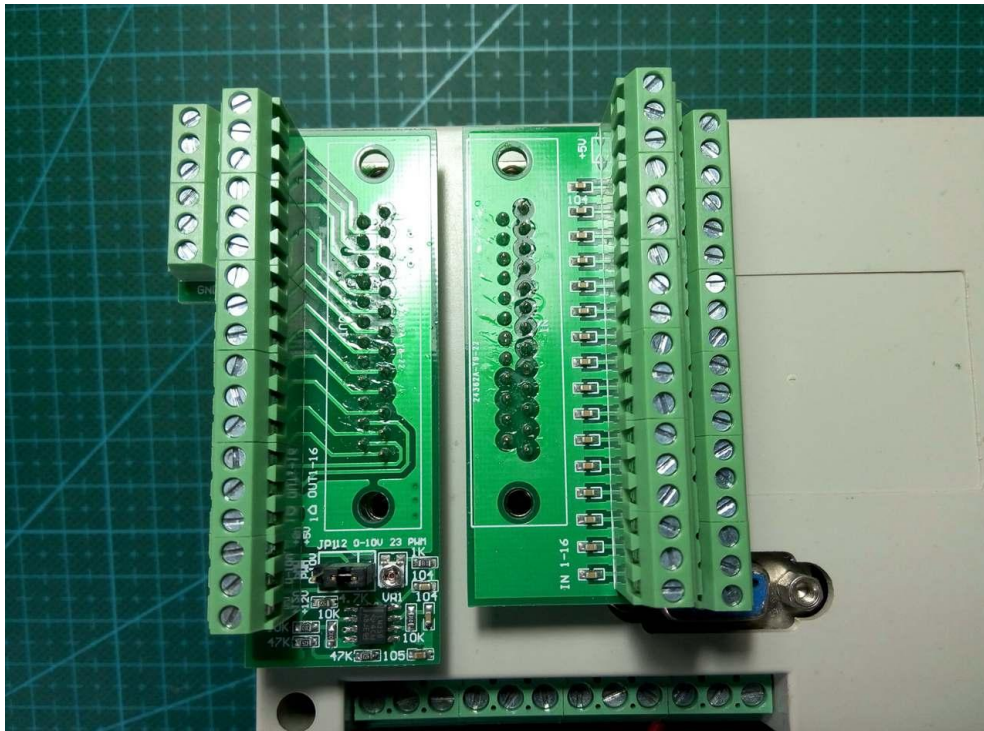
Mainly used to connect the circuit and connecting the spindle frequency control circuit of 0-10V.

This product image

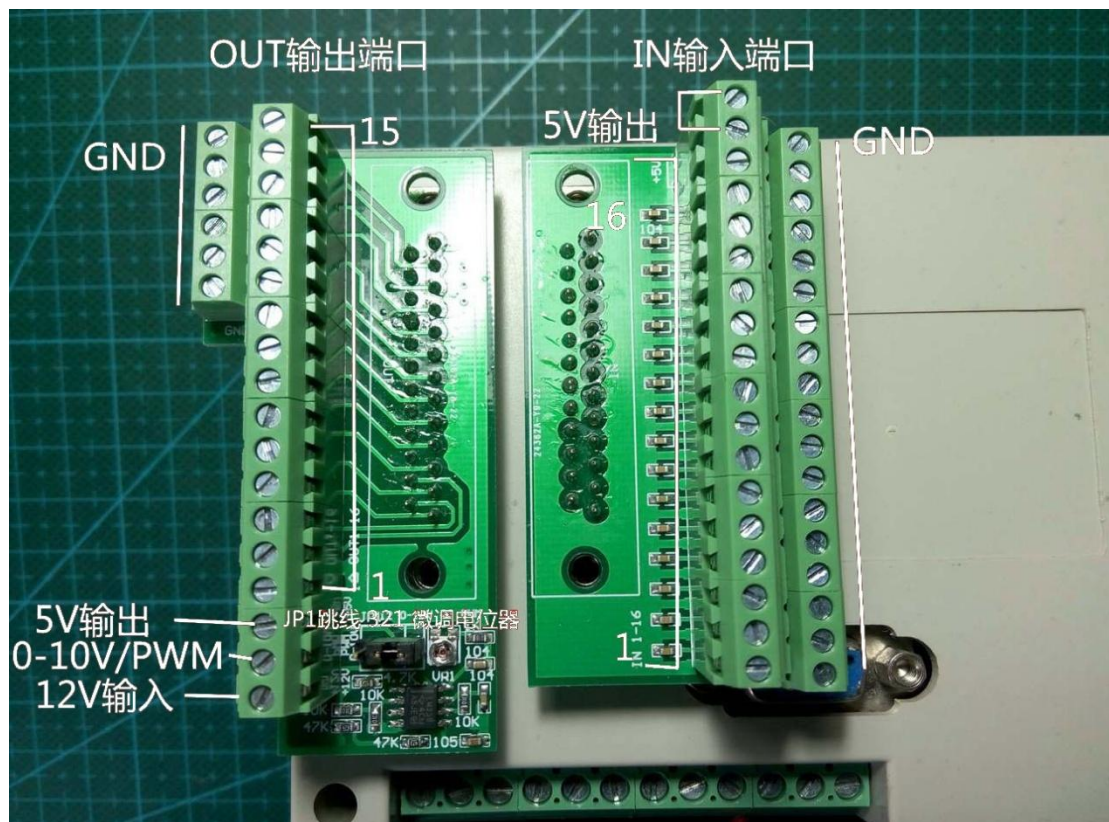


Installation method:

SMC4-4-16A16B controller directly into the 25-pin parallel port, as shown in the left is output port, the right is input port.



### Pin Definitions



**5V 输出:** Controller internal 5V output, when using the total current must not exceed 500mA。

**0-10V/PWM:** Jumper selectable, PWM or 0-10V output.

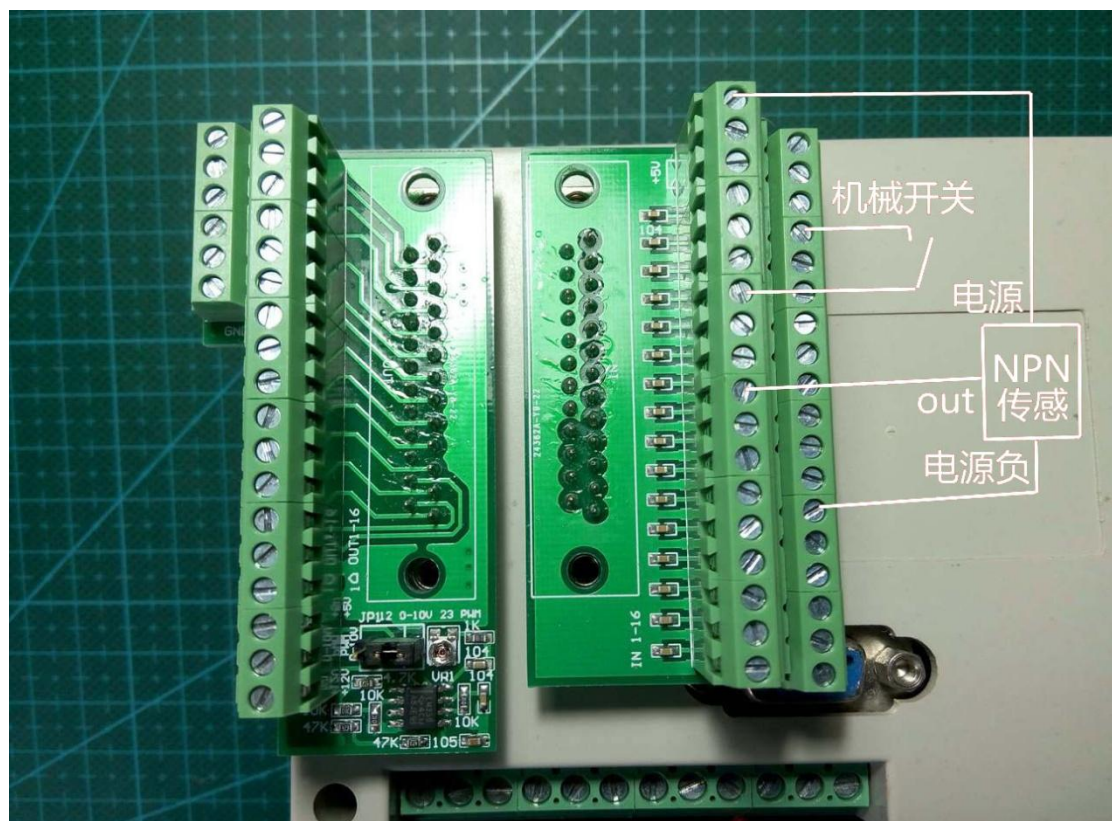


12V 输入: To use the 0-10V output, must at this port connected the 12V power supply.

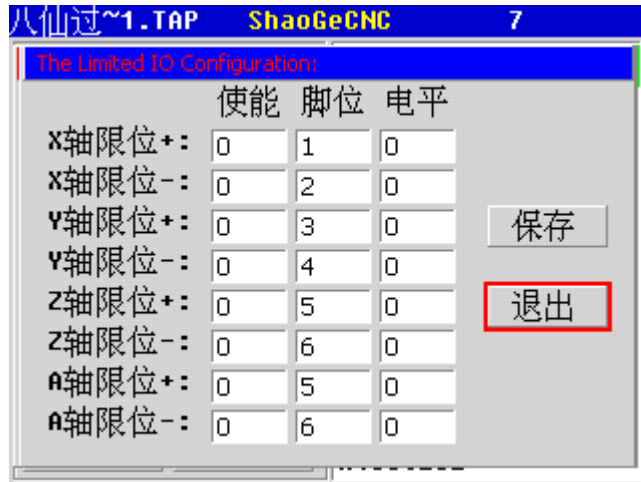
When 12V power supply and controller share, just put 12V positive line connected to this port.

When used alone, 12V power supply, 12V input port is connected to the positive electrode, a negative level is connected to GND port.

SMC4-4-16A16B input port can be connected to a mechanical switch or NPN type of sensor, Recommended use 5V NPN type sensors. Connection as shown below. Limit, origin, and other input devices can be fast IO connection in this way..



### Limit switch settings



使能: Set to take effect

脚位: Port number limit switch connected

电平: Normally open, set the level to 1.

Normally closed, set the level to 0.

### Origin switch settings



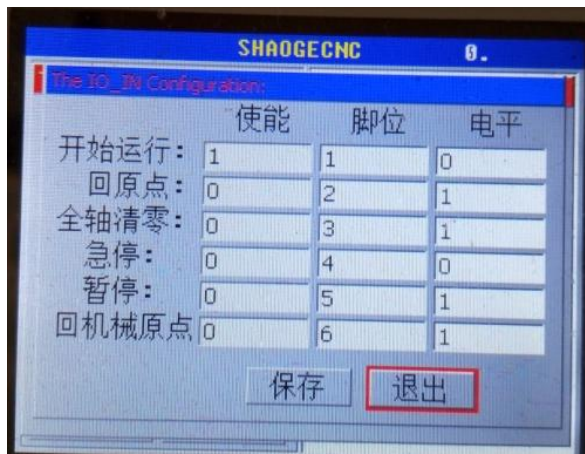
使能: Set to take effect

脚位: Port number limit switch connected

电平： Normally open, set the level to 1.

Normally closed, set the level to 0.

### Quick IO Settings



使能： Set to take effect

脚位： Port number limit switch connected

电平： Normally open, set the level to 0.

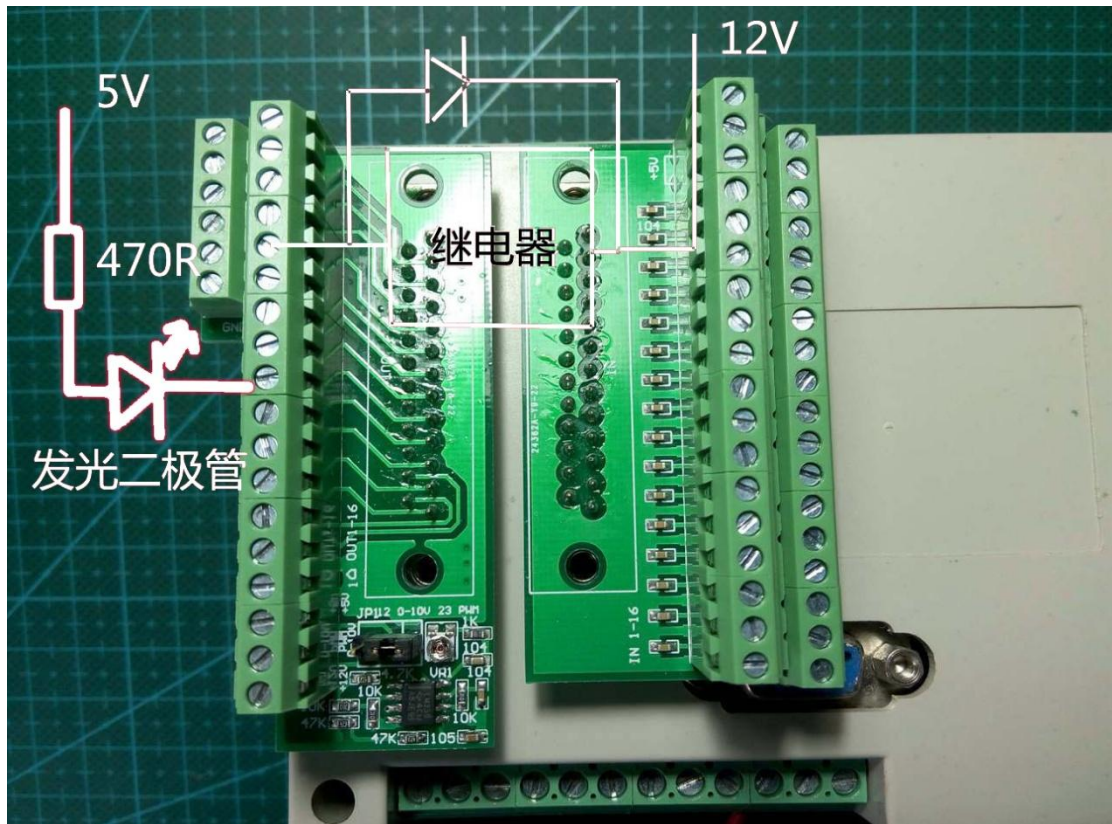
Normally closed, set the level to 1.

### SMC4-4-16A16B

Output port in the form of sink current form, the voltage can be 5-24V, 500mA

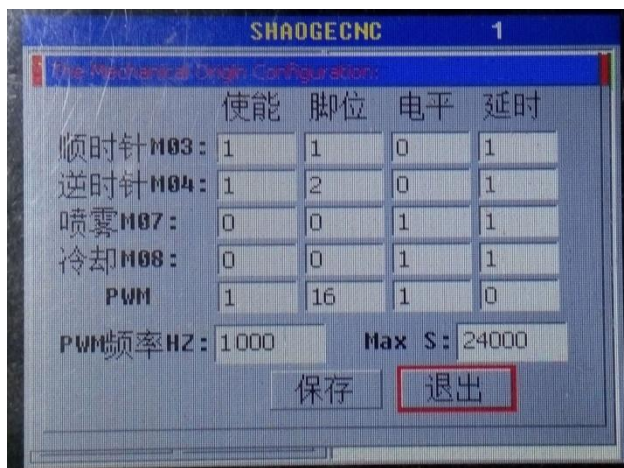
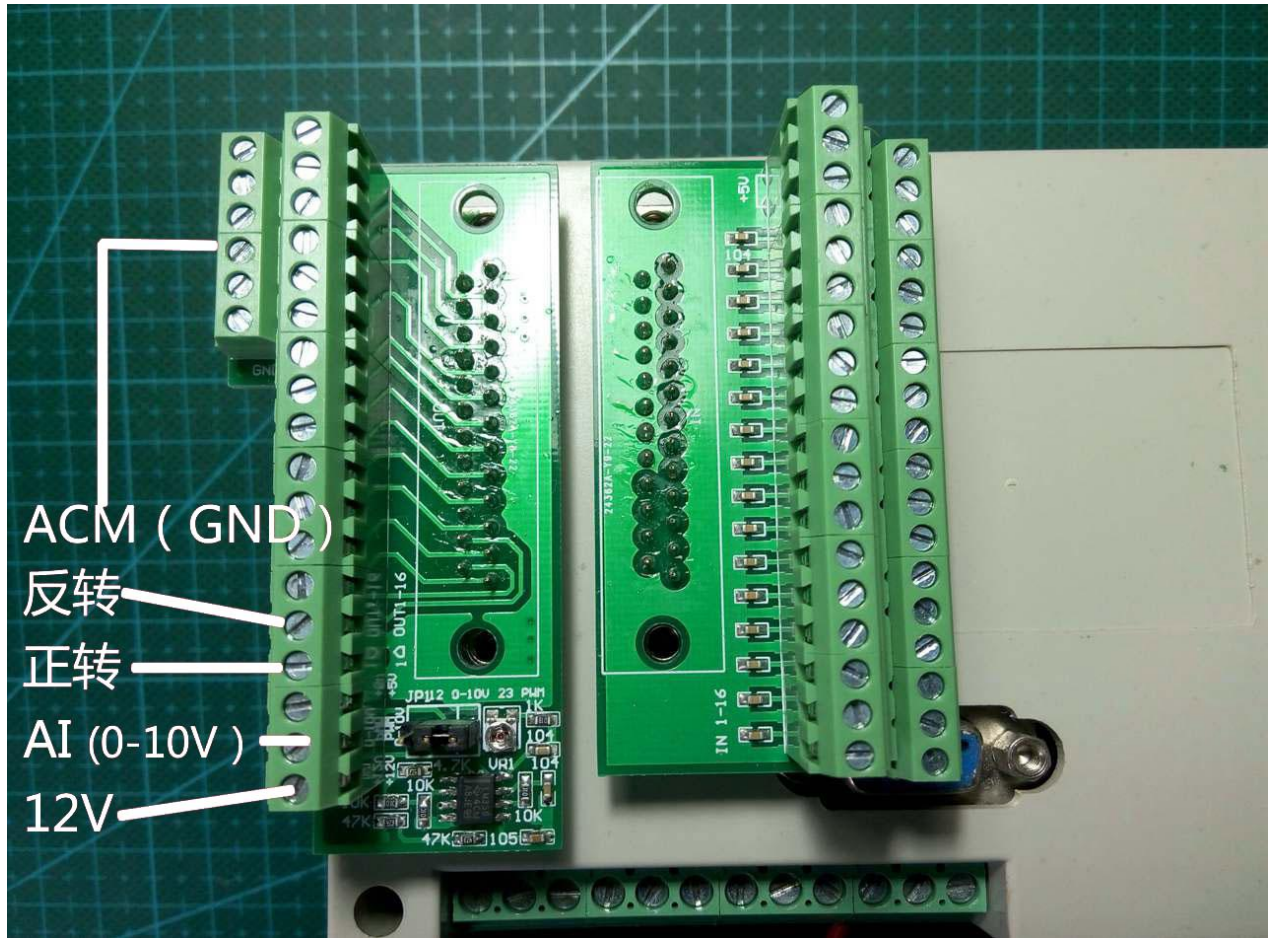
maximum per channel can sink current, it is recommended not to exceed the maximum per channel 200mA. When connecting the output device to be noted that the current output terminal of the connected load must not be greater than 500mA, but can not be short-circuited, otherwise it will cause system damage. Output port can be connected

LED, relays, solenoid valves and so on.



Frequency spindle connections and settings





Forward connection OUT1, reverse connection OUT2, level 0 refers to the port level is low effect. PWM frequency setting 1000HZ, maximum spindle speed of 24,000 rpm.