

TARJ ESP8266 8 Relay WiFi Module Instruction Manual

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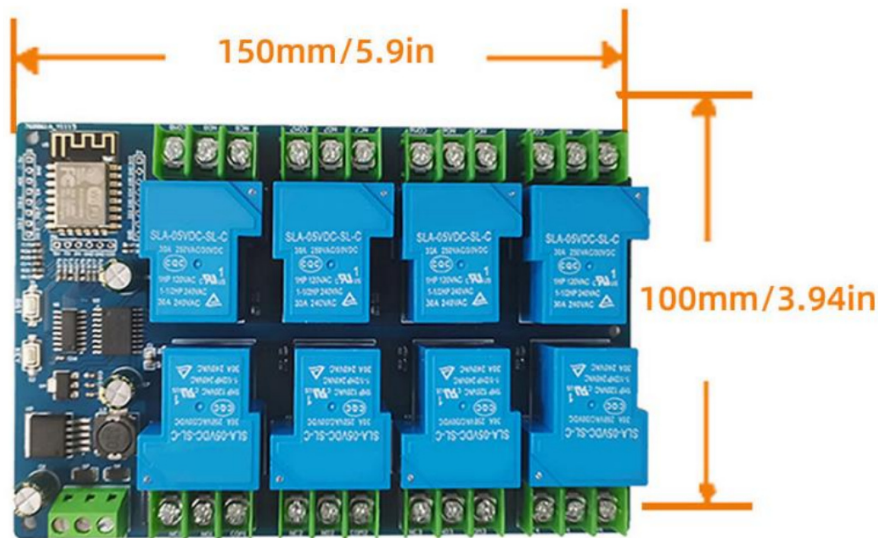
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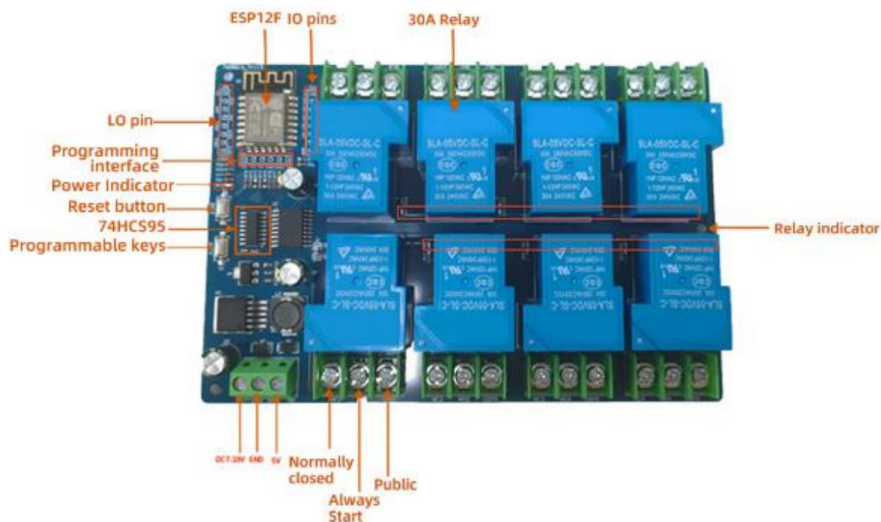
Hardware introduction and description

1, **Board size:** 150100mm

Weight: 284g



Interface Introduction



Programming port: GND, RX, TX, 5V of ESP8266 are respectively connected to GND of external TTL serial port module, TX, RX, 5V, 00 needs to be connected to GND when downloading, disconnect the connection between I00 and GND after downloading;

relay output

NC: Normally closed terminal, the relay is short-circuited with COM before it is pulled in, and it is left in the air after it is pulled in;

COM: public terminal;

No: Normally open, the relay is suspended before closing, and short-circuited with COM after closing.

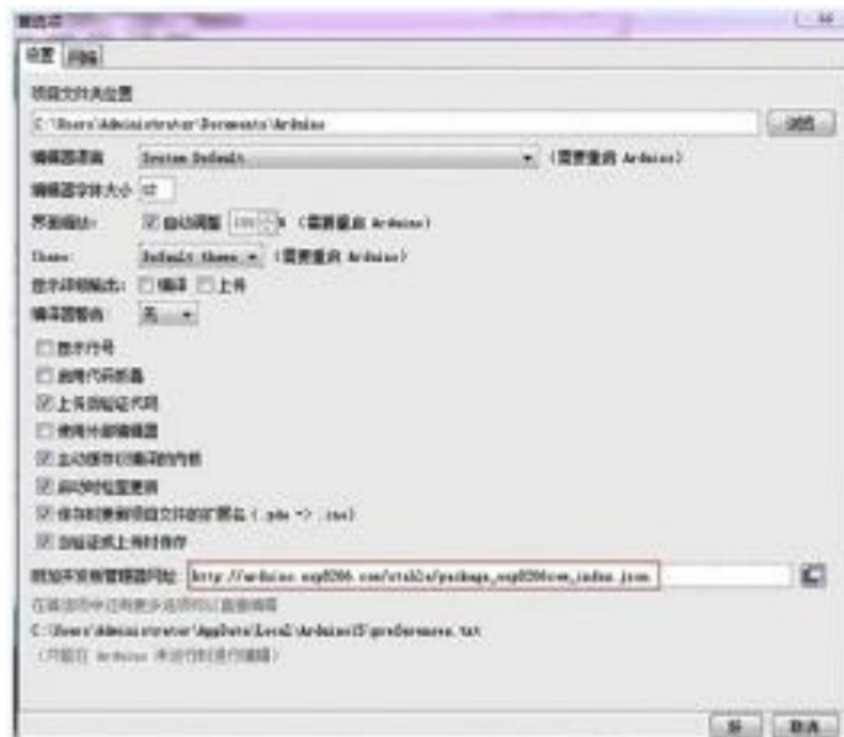
GPIO lead port introduction

Serial Number	Name	Function Description	Serial Number	Name	Function Description
1	ADC	A/D 转换结果。输入电压范围 0~1V, 取值范围: 0~1024	9	IO0	GPIO0
2	EN	使能引脚, 默认上拉	10	IO2	GPIO2; UART1_TXD
3	IO16	GPIO16	11	IO15	GPIO15; MTDO; HSPI_CS; UART0_RTS
4	IO14	GPIO14; HSPI_CLK	12	TXD	UART0_TXD; GPIO1
5	IO12	GPIO12; HSPI_MISO	13	RXD	UART0_RXD; GPIO3
6	IO13	GPIO13; HSPI_MOSI; UART0_CTS	14	GND	Power ground
7	IO5	GPIO5	15	5V	5V power supply
8	IO4	GPIO4	16	3.3V	3.3V power supply

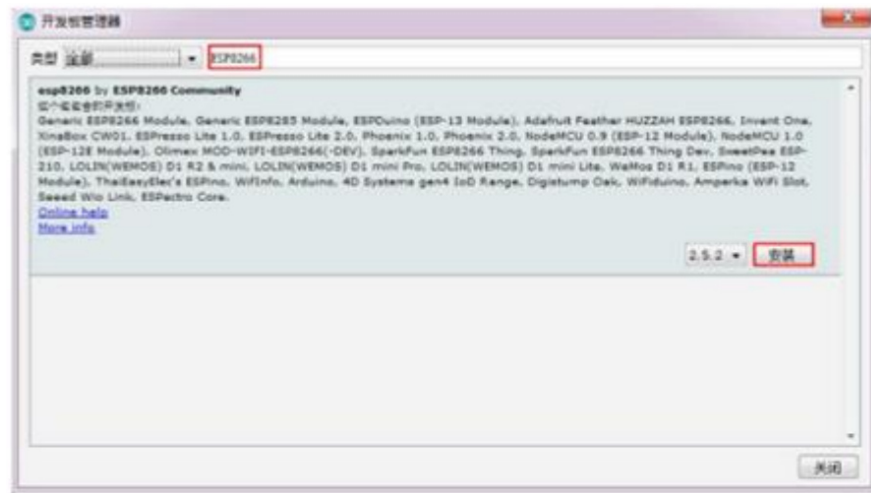
Adn development environment setup

ESP32 supports Eclipse/ Adn IDE and other development tools. it is relatively simple touseAdn ___. The following is howto build anAdn development environment

1. InstallAdn ide1.89 or the latest version
2. Open the ide, click File-Preferences in the menu bar, and after entering the preferences, click Add URL
<http://arduino.esp8266.com/stable/packageesp8266comindex.json> in “Additional Development Board Manager URLs”



3. Click Tools-Development Soard-Development Board Manager in the menu bar, and then search for “ESP8266” to install Ad n support package for ESP8266 2.5.2 or the latest version.



Note: Since the download URL is from abroad, the access speed is relatively slow, and there may be download errors. Just try a few more times when the network is good.

4. Program download

1. Use a jumper cap to connect the }00 and GND pins, prepare a TTL serial port module (for example: FT232) and plug it into the computer USB, the connection method between the serial port module and the development board is as follows TTL serial port module

TTL serial port module	ESP8266 development board
GND	GND
TX	RX
RX	TX
5V	5V

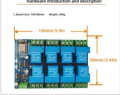
2. Click Tools – Development Board in the menu bar and select the development board as Espino (ESP-12 module)
3. Open the program to be downloaded, click Tools-Port in the menu bar to select the correct port number
4. After clicking “Upload”, the program will be automatically compiled and downloaded to the development board, as follows:



5. Finally disconnect the connection between 00 and GND, power on the development board again or press the reset button to run the program.

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Documents / Resources

	TARJ ESP8266 8 Relay WiFi Module [pdf] Instruction Manual ESP8266 8 Relay WiFi Module, ESP8266, 8 Relay WiFi Module, WiFi Module, Module
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References

- [User Manual](#)

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