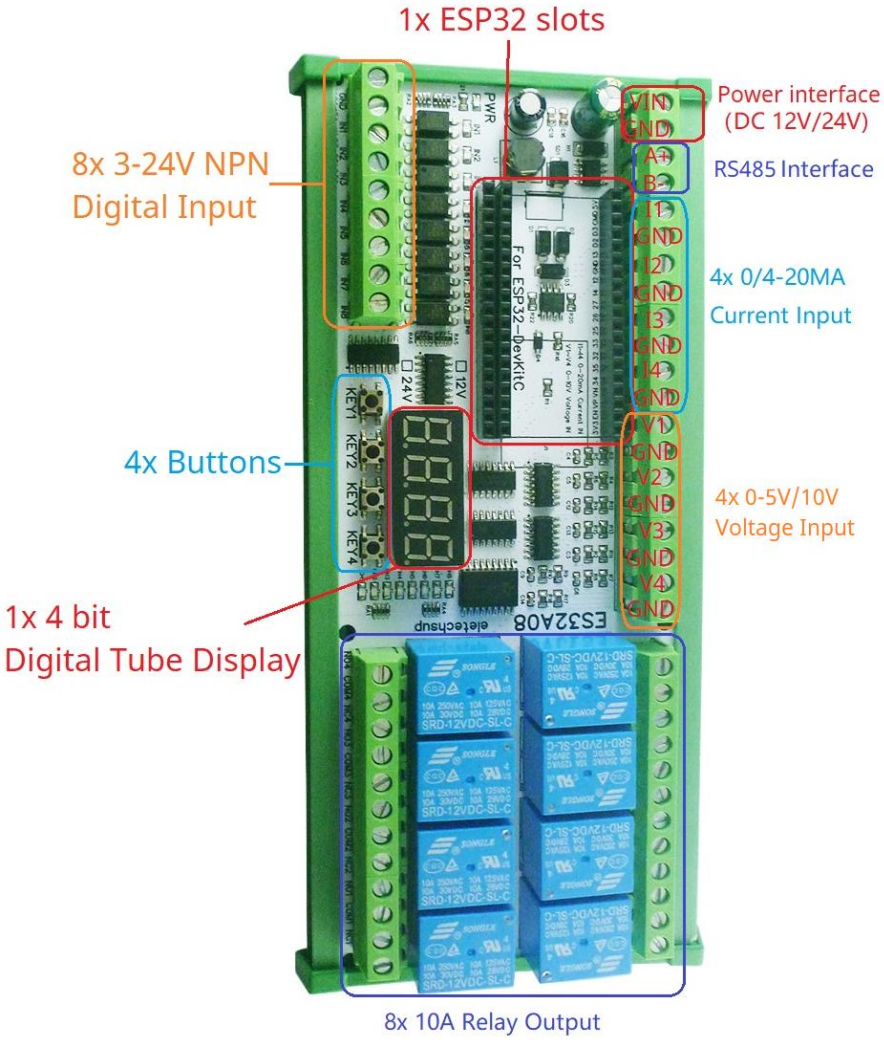
ES32A08 ESP32 8 CH Analog Relay Expansion Board Manual

38-pin ESP32 Board 1 : Width is about 27.5MM (Pin header spacing: 25.4MM)
38-pin ESP32 Board 2 : Width is about 25MM (Pin header spacing: 22.5MM)



Note: PWR LED does not light up when powered on. Driven by the IO port of the ESP32

Product Features:

1 Operating voltage: DC 12V/DC 24V

2 Operating Current : Standby current (Digital tube OFF) 14MA, Standby current 51MA (Digital tube ON), 1 relay open 76MA, 2 relays open 107MA, 3 relays open 133MA, 4 relays open 166MA,5 relays open 185MA, 6 relays open 213MA, 7 relays open 258MA, 8 relays open 291MA

3 On-board resources: 1x RS485 Interface 8x opto-isolated inputs (low level trigger, NPN type), 4x 0/4-20MA Current Input,4x 0-5V/10V Voltage Input,4x buttons, 1x 4 bit digital tube display, 1x ESP32 slots, 8x relay outputs

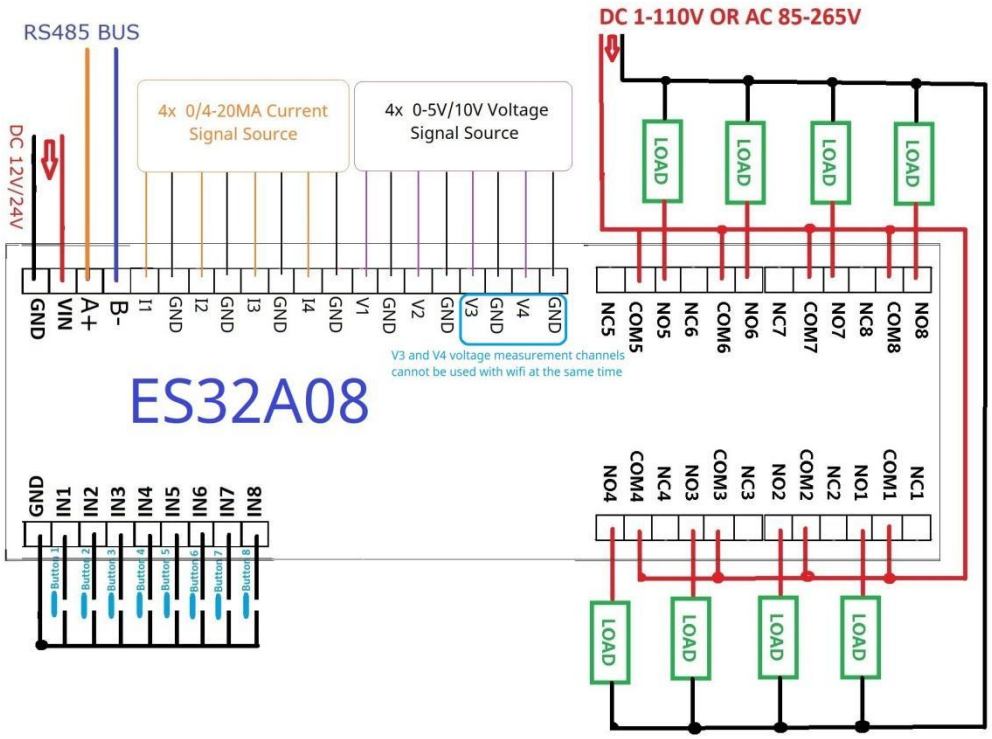
4 size 180*72*19mm(Only Board)
5 Weight : 189g(Only Board), 317g(with shell)

As long as you write ESP32 code,You can use it to achieve a variety of delay timer function,such as:
WIFI remote control switch
WIFI Current and voltage collection
RS485 Master-Slave Device(PLC MCU),
4x 0/4-20MA Current Collection,
4x 0-5V/10V Voltage Collection,
Motor forward and reverse,
Timing on,
Timing off,
Power-up delay,
Trigger delay,
Infinite loop delay,
A finite number of cyclic delays,
Power sequencer,
And so on.

This is an expansion board based on 38PIN ESP32. We only provide three vscode codes for testing the hardware. More codes and functions need to be developed by yourself.
If you need more functionality, write your own code. We do not provide additional code and technical support

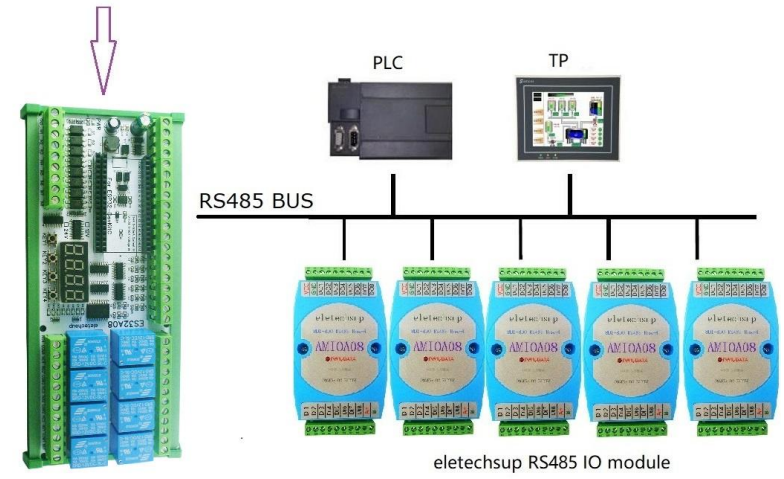
Note: ES32A08 can not work independently, must be under the control of the 38PIN ESP32 board to work,If you do not have a 38PIN ESP32 board, purchase it separately or purchase a kit with 38PIN ESP32

Application : Through the programming of ESP32 , various delay customization functions can be realized instead of PLC.



NOTE: This is an ESP32 expansion board only, you also need to plug in an ESP32 board for it to work properly

Application 2: It can be used as an RS485 master device instead of PLC/PC/touch screen to control various RS485 slave devices.



eletechsup RS485 IO module

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