

KINCONY

KINCONY All-In-One (AIO) Smart Controller

Part No : KC868-AIO

PROCESSOR

ESP32-WROOM-32UE

Power supply DC 9V -24V

INPUTS

56 Channel Supports Dry contact (0-12V).

Logical "0" : 0-4V

Logical "1" : 6-12V

8 analog input (AI1-8) DC 0-5V

8 analog input (AI9-16) DC 4-20mA

2 1-Wire GPIOs (GPIO 1-2) for Temperature and Humidity Sensor.

4 BUTTONS

S1 - Reset

S2 - GPIO0

S3 - Digital Inputs 57 for user define

S4 - Digital inputs 58 for user define

OUTPUTS

32Channel MOSFET Outputs
DC 12V/24V 500mA per channel

INTERFACES

* Ethernet (RJ45) - LAN 100Mbps. IPv4/IPv6, WiFi, Bluetooth, RS485, USB - Type C, I2C, GSM Modules 2G/4G.

* Digital input, Digital output, Analog input, Analog output.

* DS3231 RTC

SIZE

206mm * 117mm * 40mm

DIGITAL INPUTS (1 - 56)
Dry Contacts

ANALOG OUTPUTS
DC 0-10V

ANALOG INPUTS
AI-(1-8) DC 0-5V Sensors
AI-(9-16) DC 4-20mA Sensors

INPUTS

OUTPUTS

INTERFACES

APPLICATION

What can you connect to the outputs of AIO Controller?
KC868-E16, any relay board with 12/24V input, any load as show below $12/24V < 500mA$

Labels on PCB: GSM Module (4G SIM7600) Socket, Analog Socket, RTC Module Socket, ESP32-WROOM-32UE, Ethernet, USB-C, Rx,Tx Serial Extender.

Terminal Block Labels: Vin, VOut (12V/24V) Max 500mA per channel., PWR, GND, GPIO-1, GPIO-2, 3.3V, RS485.

External Components: Siren DC 12V/24V, Door Locks DC 12V/24V, Garden Solenoid Valve DC 12V/24V, HVAC Valve DC 12V/24V, HVAC Damper DC 12V/24V, Single Phase Contactors Coil Voltage DC 12V/24V, 3 Phase Contactors.