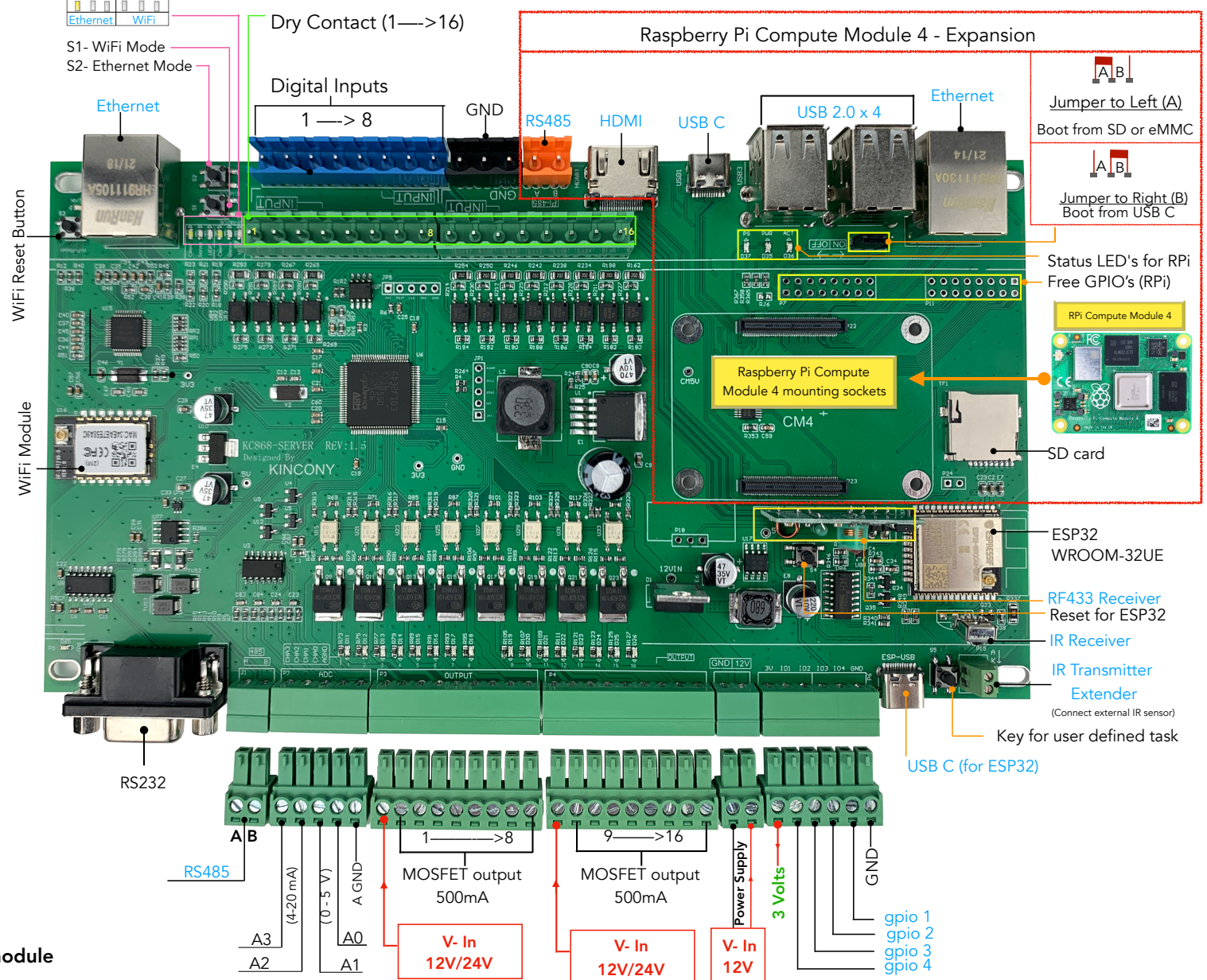


KC868-Server - supports Open Source Home Automation systems

PART NO : KC868-Server

Power supply	12V DC - 2.5A
Size -Dimensions	215*117*40mm
Material	Metal shell
Work Temp	-20°C--70°C
Work Humidity	20%RH--80%RH
Resource - A	
Communication	Ethernet/WiFi/RS232/RS485(Modbus)
Protocol	MQTT, HTTP, TCP, RS485 Modbus
Output - Load	16 ports (P- MOSFET) Outputs DC12V/24V 500mA per channel
	* Load that work on 12V/24V can be directly connected to these outputs (Solenoid valves, garden sprinklers, etc)
	* Contactor (DC version) / MCB (DC version)
	* KC868-E16, KC868-E8, Any relay board that supports 12V/ 24V input < 500mA
Input Ports	Dry Contact 16
	Digital Inputs (DI) 8
	Analog Sensors (AI) 4
	A0, A1 DC 0-5V 4-20 mA
	A2, A3 4-20 mA
Resource - B - For ESP32	
IR receiver, IR sender, RF433MHz receiver, 4 GPIOs (with Pull-up resistance): extend for temperature/humidity/LED strip. Reset button, Download button	
Resource - C - For Raspberry Pi	
Ethernet	1 (10-100-1000 Mbps)
USB	4 Ports Ver 2.0 & 1 USB C port
HDMI	1 (1080p)
SD Card	1 for OS. Supports Max 128 GB SD card
Free GPIO's	IO23,IO25,IO7,IIC_SDA,IO16,IO21 IO18,IO24,IO8,IIC_SCL,IO12,IO20 IO19,IO6,IO11,IO10,IO27,IO4,IO2 IO26,IO13,IO5,IO9,IO22,IO17,IO3

Processors : - ARM CPU + ESP32 + Raspberry Pi- Compute 4
Interfaces : - Ethernet, WiFi, USB 2.0, USB C, RS485, RS232, HDMI, IR Rx, IR Tx, RF 433MHz, Dry contacts, Digital Inputs, Analog Inputs, Digital outputs and GPIO's



Principle of the internal working module

