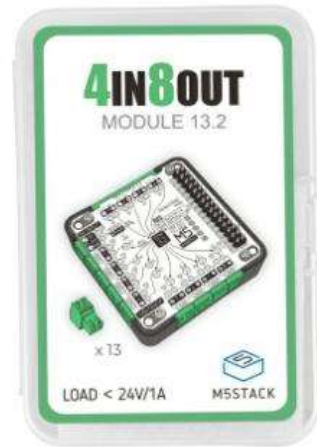




M5STACK

Module 13.2 4IN8OUT

SKU:M122



x

Description

MODULE 13.2 4IN8OUT is a '4-Channel Passive Input/Switch + 8-Channel MOS Drive Output' drive module. Adopt STM32F030 as the I2C IO chip, support 9-24V DC input, with internal DC-DC circuitry to 5V.

Features

- Compatible with Basic/Fire/Core2
- Adopt STM32F030 as the IO chip, I2C communication, I2C address is changeable by modifying the register
- 8-channel MOS Drive circuitry share the same VCC, channel load <1A
- 4-channel Passive Input share the same GND, no active signal or >5V signal allowed
- With internal MP1584, 9~24V -> 5V DC-DC converter

Includes

- 1x MODULE 13.2 4IN8OUT
- 13x 2P Terminal

Applications

- Multi-channel load drive (Relay, Valva, Single-phase Motor, Singal LED)
- Limit Switch or Button test

Specification

Spec	Parameter
Input Voltage	9~24V
Output Channel	8
Input Channel	4
Output Load	<1A each Channel
Communication Interface	I2C
I2C Address	Default 0x45, changeable by modifying the register 0xF0
Net Weight	21.9g
Gross Weight	52.5g
Product Size	54*54*13mm
Package Size	125*68*23mm

Pinmap

M5Core	GPIO22	GPIO21	5V	GND
4IN8OUT MODULE 13.2	SCL	SDA	5V	GND

REG MAP (Addr:0x45)	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	note
Switch input	0x10	R	Input0	Input1	Input2	Input3											Input: value of switch input, 0 or 1
Load output	0x20	R/W	Output 0	Output 1	Output 2	Output 3	Output 4	Output 5	Output 6	Output 7							Output: 0: Off; 1: On
Firmware version	0xF0	R														Version	Version: firmware version
I2C Address	0xF0	R/W														Addr	Addr: I2C address: 0-127

Schematic

