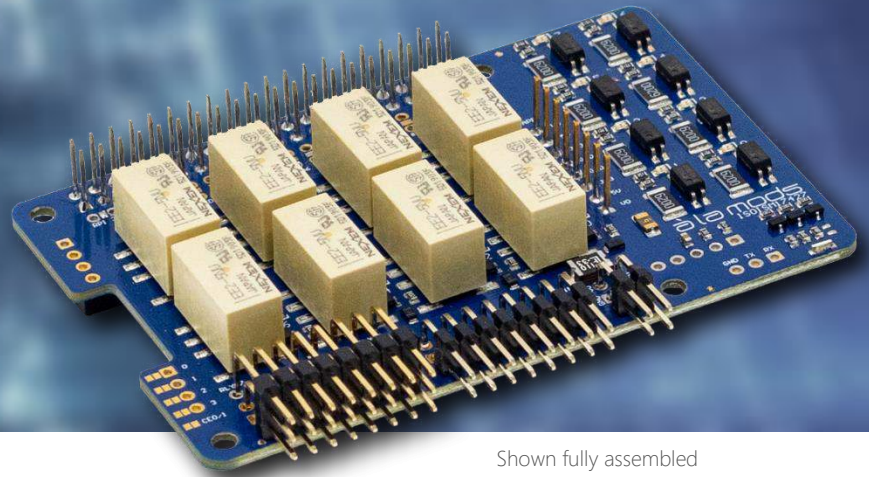


ISOLATED I/O



Shown fully assembled

A stackable Isolated I/O module for more rugged applications. This module provides a set of isolated inputs and outputs for more demanding electrical environments.

- 4 or 8 relay contact outputs
- 4 or 8 opto-isolated 9 – 24V inputs
- Up to 16 individually addressable modules stacked onto a single Raspberry Pi
- Dual Fused output voltage power supply 5V and Vo
- Compatible with the à la mods Stackable Power bus
- GPIO port interface options for control
- Standard Raspberry PI® Zero 40 pin header pinout and form factor
- RGB Status Indicator LED

SPECIFICATIONS

Power	3.3V @ 250 (mA _{max}) 5.0V fused output load at 2 (A) Vo fused output load at 1 (A)
Outputs	4/8 @ 30Vdc 2 (A _{max}) 100 (Hz _{max}) switching frequency Silver alloy w/ gold allow overlay contacts
Inputs	4/8 Opto-isolated Vin _H – 9 Vdc _{min} Vin _H – 24 Vdc _{max} Vin _L – 1 Vdc _{max}
Configuration Jumpers	3V3 module system power 5V0 or V0 output 0 & 1
Communication Interface	GPIO (Raspberry Pi® SPI bus header pins 19, 21, 23, 24/26)
LED Indicators	Relay 0 & Relay 1 coil active state Input 0 & Input 1 active state
Operating Temp	0 °C to +50 °C Ambient
L x W	3.35 x 2.20 in. (85.0 x 56.0 mm)
Height (above pcb)	0.38 in. (9.6 mm)
Mounting	Tall connector (use 17 mm standoffs)

ORDERING DETAILS

ORDER NO.	OUTPUTS	INPUTS	DESCRIPTION
ISOIOM17427-4 *	4 2(A) Relays	4 9-24Vdc Opto-isolated	Isolated Quad I/O Module
ISOIOM17427-8 *	8 2(A) Relays	8 9-24Vdc Opto-isolated	Isolated Octal I/O Module

* includes 2x20 pin Tall Female Header Connector & 8 pin Male Header Connector