DIO-0808SR

Remote I/O with 2-port ethernet switch

- 9-36VDC power input

- Firmware update over the TCP via MioControl Utility

- User-definable Modbus TCP Slave addressing

- Supports RESTful API for IIoT applications

- Supports MQTT for IIoT applications

- 2-port Ethernet switch for daisy-chain topologies

- Friendly configuration via web browser

- Latch programming for outputs 50 ms to 65535 ms.
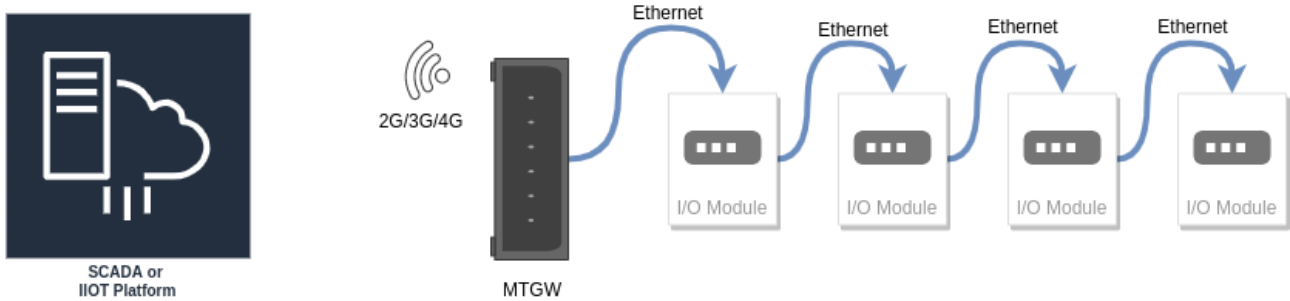
- Operating temperature -10 to 70°C

The MTIO modules support the most often-used protocols for retrieving I/O data, making it capable of handling a wide variety of applications. They can be used with Modbus TCP for OT engineering. RESTfull API and MQTT can be used for IIOT platforms.

It can be configured easily with web browser or Modbus TCP. Thanks to the redundant, the firmware can be updated safely with MIOControl Utility. You can run MIOControl Utility in MTGW, in PC with Windows OS or Linux OS.

Outputs can be programmed as latching in 50 ms to 65535 ms.

Daisy-Chained Connection

MIO modules come with two switched ethernet ports to extend local network with ethernet devices. You don't need additional ethernet interface in your filed.

Specifications

Input/Output Interface

Digital Input Channels	8
Relay Output	8
Isolation	3k VDC or 2k Vrms
Button	For reset and factory default functions

Digital Inputs

Connector	Terminal Block
Counter Frequency	250 Hz
Dry Contact	On: Short to GND Off: Open
I/O Mode	DI or Counter
Sensor Type	Dry contact Wet contact (NPN or PNP)
Wet Contact (DI to COM)	10-30 VDC (Optional 110 VDC)

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Relay Outputs

Connector	Terminal Block
Breakdown Voltage	750 Vrms for 1 min. (Between open contacts) 4,000 Vrms for 1 min. (Between contact and coil)
Contact Current Rating	5A 277V AC, 3A 30V DC
Contact Resistance	Max. 100 mΩ
Electrical Endurance	100,000 operations @ 5 A resistive load
Initial Insulation Resistance	Min. 1,000MΩ (at 500V DC)
Mechanical Endurance	5.000.000 operations
Pulse Output Frequency	0.3 Hz at rated load (max.)
Type	Form A (N.O.) power relay

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	1 MAC address with 2 switched ethernet port
Magnetic Isolation Protection	1.5 kV (built-in)

LED Interface

LED Indicators	Power, Ready, Com, DIs(8x), RLs(8)

Power Parameters

Power Connector	Terminal Block
Input Voltage	9 to 36 VDC

Physical Characteristics

Housing	Plastic
Dimensions	35 x 102 x 117 mm
Weight	200 g
Installation	DIN-rail mounting
Wiring	I/O cable; 16 to 26 AWG Power cable; 12 to 24 AWG

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Environmental Limits

Operating Temperature	-10 to 70°C
Storage Temperature	-40 to 85°C
Ambient Relative Humidity	5 to 95% (non-condensing)

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