

WI-IO-16

16 CHANNEL DIGITAL INPUT/OUTPUT MODULE



16 DIGITAL INPUTS 16 DIGITAL OUTPUTS DIN RAIL MOUNTING Wi-Fi 2.4Ghz



S-NET
Communication



OLED
Display

FEATURES

- The WI-IO-16 is a Din rail Digital Input & Output 16-Channel module that provides Sixteen digital input dry contact and Sixteen dry contact closure outputs at 12VoltsDC @ 250mAmps. The Digital I/O contact closure interface with control systems to connect with equipment that has contact closure inputs and outputs Including: Occupancy, vacancy sensors, Card switches, Alarm systems & Switch interface.
- Operating voltage 12VDC @1Amps. Third party automation modules or other Sonetonix modules are interfaced through high speed 2.4Ghz Wi-Fi technology & S-NET communication.

ELECTRICAL SPECIFICATION

Operating Voltage	12VDC @1Amps
Digital Input Voltage	5V
Max Load Current per Channel	AC-10Amps(NO) / 3Amps(NC) DC- 5Amps(NO) / 3Amps(NC)
Operating Temperature	0 - 45 °C
S-NET Power Usage	4.08W (0.34A@12Volts)

CONTROLS & INDICATIONS

PWR	●	1) Red LED illuminates when DC power is applied to the power port
COM	●	(1) Yellow LED, indicates communication with the control processor
NW	●	Bi-colour LED Red indicates connection loses with router & Green indicates connection established
CH1 - CH16	●	(Blue) Channel status indication LEDs
Setup, Reset	●	Miniature push button switches to configure and reset the device manually
Manual Switch (1-2)	●	(2) Miniature push button switches for changing device ID manually
OLED Display	●	(1) 0.96 inch display to monitor the Device ID or IP Address

CONNECTIONS

Digital Outputs (1-16)	(2) 10-pin 3.81mm detachable terminal blocks with SPST relay switch circuit @5A per channel. (1) 12-pin 3.81 mm detachable terminal blocks with SPST relay switch circuit @5A per channel.
S-NET	(2) 4-pin 3.81mm detachable terminal blocks for S-NET communication
Digital Inputs (G, 1-16)	(4) 5-pin 3.81mm detachable terminal block to provide Digital inputs

OTHER FEATURES

- ✓ 16 channels to provide Digital interface
- ✓ 16 channels to provide Digital Output.
- ✓ Can sense contact closure signal from a door switch, motion sensor, keypad etc.
- ✓ Restores channel status upon power reset
- ✓ LEDs on the modules indicate communication to a Sonetonix network, input power to the module, and output power to the load.
- ✓ 0.96 inch CLED Display indicates the S-NET ID (default) or IP Address.
- ✓ Status indication LEDs for each channel
- ✓ Easy installation with DIN rail mounting
- ✓ Individual buttons to control individual channels



S-NET

The WI-IO-16 communicates with a 3rd Party control system via the S-NET control network. A pair of S-NET ports is provided on the WI-IO-16 for easy daisy-chaining of several DIN Rail Series automation control modules.

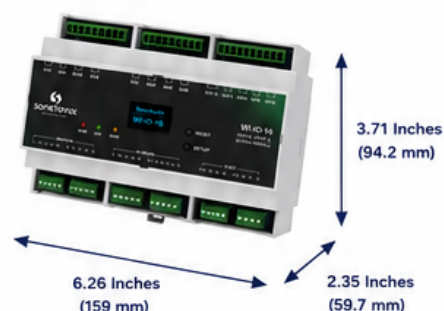
FRONT PANEL

Two push button switches on the front panel provide three functionalities.

- A** WHEN DOUBLE TAP the SETUP BUTTON SWITCH it will change the device from wired to wireless mode and vice-versa.
- B** WHEN LONG PRESS the SETUP BUTTON SWITCH for 5 sec, it will erase all data stored in the device.
- C** Single tap the setup button, user can read the ID or IP Address using 0.96 inch OLED Display.

The other one (2) RESET SWITCH used reset the device.

DIMENSIONS & WEIGHT



Height	: 3.71 Inches (94.2 mm)
Width	: 6.26 Inches (159 mm)
Depth	: 2.35 Inches (59.7 mm)
Weight	: 369 Grams