

IO Module

Bringing your wired devices online

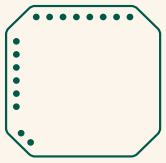
Do you want to connect your wired devices to a wireless network? The digital IO Module enables you to connect wired devices to a network, allowing your wired devices to communicate and receive information wirelessly.

Key features:

- Bridging wired devices and Zigbee networks
- Four digital inputs with dry contact
- Two relay outputs with NO and NC contacts
- On/off or pulse functionality

Establishing reliable communication between wired devices and Zigbee networks

The digital IO Module integrates wired devices into wireless Zigbee networks. Providing four inputs and two outputs, the IO Module works as a bridge of reliable communication between wired devices and a control system over Zigbee networks. Devices connected to the input will trigger events, and devices connected to the output will respond to events.



Secure communication
Saves cabling efforts
Remote data collection and control of wired devices

Numerous options for uses

The digital IO Module can be connected to a wide range of devices. An example could be to connect a heat pump to the network through the IO Module so you can control the heat pump and make it consume energy when other appliances in the building do not require electricity. Also, the module can be used to connect an access system to a network, so that automatic doors can be connected to and controlled through a gateway. The IO Module is interoperable with other Zigbee devices. For instance, you can use it to connect window blinds to a Motion Sensor, so the blinds close when the sensor detects bright light. The module has a convenient, compact size, as it is designed to fit in a small box, for instance, it fits behind an electricity outlet. The inputs can be configured as IAS alarm inputs, bridging wired alarm systems/sensors into the Zigbee network.



IO Module

Technical specifications

Model number: IOMZB-110

General

Dimensions (WxHxD)	45 x 45 x 16 mm / 1.77 x 1.77 x 0.63 inches
Weight	24.8 g / 0.87 oz (with packaging: 41.5 g / 1.46 oz)
Color	White
Power supply	5 – 28VDC (Alternative: uUSB – e.g. for power bank)
Power consumption	0.3 W
Radio	Sensitivity: -100 dBm Output Power: 12 dBm
Environment	IP Class: IP20 Operation Temperature: 0 – 50 °C / 32 - 122 °F Relative humidity 5 – 95% (non-condensing)
Switch specifications	Maximum relay switch cycles, 1E4: 10.000 switch cycles Switch type, µ: The module operates by micro dis-connections (relay terminals connects/disconnets signal)

Functions

Output	2 pcs NO/NC – on/off or pulse Max switching Voltage: 30 VDC or 30 VAC Max Switch Current: 1A DC or 0,5 A AC
Input	4 pcs contact input (potential free switch or relay) NO/NC by SW Each input can be configured as an IAS alarm

Communication

Wireless protocol	Zigbee 3.0 Zigbee router

Certifications

Conforming to CE, FCC, IC, ISED, RED and RoHS directives
Zigbee 3.0 certified

zigbee certified product