

izi-io 4840

The modules of the **izi-io** series enable the connection of existing systems, especially in industrial environments, to modern IoT infrastructure. Thanks to the powerful processor and simple programming, preprocessing functions, protocol conversions and local automation functions can be implemented quickly and flexibly.

Features of the **izi-io 4840**:

- ✓ eight individually software-configurable inputs for digital / analog process signals or RTD temperature sensors,
- ✓ four digital outputs for flexible coupling of sensors / actuators.
- ✓ RS232, RS485 and CAN interface for industrial bus protocols, e.g. Modbus.
- ✓ Integrated Soft PLC function, graphically programmable* for preprocessing measurement data and for local control tasks.
- ✓ LoRaWAN radio interface for simple wireless connection, even over long distances.
- ✓ microSD card slot for recording measurement data and for software updates.
- ✓ IP20 housing with top hat rail mounting for installation in the control cabinet.



izinto GmbH offers advice and solutions in the field of Internet of Things (IoT). We use different technologies to implement the process chain from the sensor node or IoT-enabled system to communication to servers, clients and coupled systems.

+++ Internet of Things + LoRaWAN + Digital Transformation + Smart City + Retrofit + Integration + Communication +++

Specifications izi-io 4840

Processor	STM32F446 168 MHz ARM Cortex M4, 512 kB Flash, 128 kB RAM
Interfaces	
• LoRaWAN	433/868 MHz, device class A+B, SMA socket for antenna
• Serial	2x RS-232 or 1x RS-485 or 1x RS-422
• Bus	CAN, Modbus
Memory	microSD card slot
Display	multi-color-LED
Programming	via serial interface
Inputs	8 universal inputs / outputs with individually configurable operating modes: <ul style="list-style-type: none">• digital input, switching threshold adjustable, configurable as 24 V current sinking type 1 according to IEC61131-1.• voltage measurement, ranges 0 to 0.5 / 3.3 / 10 / 30 V• 0..20 mA current measurement, referenced to ground with external shunt resistor• PT1000 temperature sensor, measuring range -30 .. +150 ° C• PT1000 temperature sensor, measuring range -30 .. +150 ° C• digital output with 2.5 mA constant current source for controlling optocouplers
Output	4 digital half-bridge outputs: <ul style="list-style-type: none">• 250 mA per output, short-circuit protection• 4 simple loads or 2 DC motors or 1 stepper motor• configurable to +24 V or switching to ground
Power supply	8..30 V, max. 0.5 W (20 mA at 24 V), plus power consumption of the outputs
Assembly	DIN rail (TH35 according to EN 60715) Case dimensions W 22.5 mm x H 101 mm x D 119 mm

* Software Tool is needed

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