

IKRO 02-IO

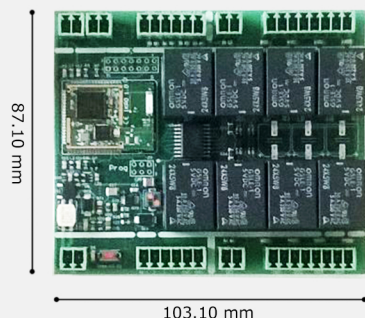
IoT Multipurpose Board

AUTOMATION

M2M

RADIO

IOT



DESCRIPTION

The IKRO 02-IO allows to simultaneously control 8 relays with respective status led in a simple and intuitive way, for managing various devices in many applications. It has also the possibility to interface with many type modules (Bluetooth, NFC, GSM, GPS, WiFi, ZigBee, LORA). The IKRO 02-IO can communicate with wireless sensors (IEEE® 802.15.4 / ZigBee).

TECHNICAL DATA

Highlights

- 8 digital outputs (relay 10A)
- 6 digital inputs (dedicated COM)
- 4 analogic inputs (2 COM)
- IKRO 01 Radio Module / W-MBus module
- Programmable button
- 2 serial ports (one of these RS485 Modbus compatible)
- Every digital output and digital input has a dedicated status led

Physical Data

- The package of IKRO 02-IO is 87.1 x 103.1 x 20.4 mm
- Case with DIN rail installation (4 DIN modules)
- The operating temperature is -40° to +85° C

Electrical Data

- Power supply: 5 to 30 VDC/VAC
- Rele power output max 250 VAC, 10 A
- 10K NTC
- Input contacts from 5 to 24 VDC/VAC, 50/60 Hz
- Programmable button

RANGE OF APPLICATION

The IKRO 02-IO has many applications:

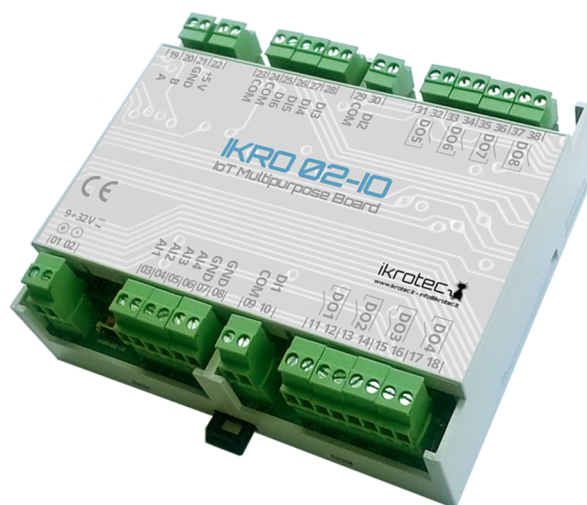
- Home/Building Automation, access control, safety systems, thermoregulation, touchscreen, door/window control, light control, IoT device.
- Industrial Automation: process control, wireless sensor networks, identification and asset tracking, Industry 4.0 device.
- Metering: meters temperature, humidity, remote devices, video output.

PRODUCT VARIANT

- IKRO 02-IO: 6 Digital Input, 4 Analogic Input, 8 Digital Output (Relay 10A)
- IKRO 02-IO-WR: 6 Digital Input, 4 Analogic Input

ACCESSORIES

- IKRO02EXP-WIFI: WiFi kit
- IKRO02EXP-BLE: Bluetooth Low Energy kit
- IKRO02EXP-LORA: LoRa kit
- IKRO02EXP-SIG: SigFox kit
- IKRO02EXP-GPRS: GPRS Modem kit
- IKRO02EXP-GPRSGPS: GPRS & GPS Modem kit
- IKRO02EXP-RFID: RFID Kit
- IKRO02EXP-GSM: External Antenna GSM
- IKRO02EXP-868: External Antenna 868 Mhz
- IKRO02EXP-LOSIG: External Antenna LoRa/SigFox
- IKRO02EXP-GSMGPS: External Antenna GSM & GPS
- IKBATT23: Battery 2300 mAh
- IKBATT72: Battery 7200 mAh
- IKALI60: Power supply / Battery charger 60
- IKRO02CASEC: Case Compact DIN



LEGALE NOTICE

Ikrotec s.r.l. reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights. Reproduction, use, modification or disclosure to third parties of this document or any part thereof without the express permission of Ikrotec s.r.l. is strictly prohibited. The information contained herein is provided "as is". No warranty of any kind, either express or implied, is made in relation to the accuracy, reliability, fitness for a particular purpose or content of this document. This document may be revised by Ikrotec s.r.l. at any time. For most recent documents, please visit www.ikrotec.it. Copyright © 2016 Ikrotec s.r.l.

For more information: www.ikrotec.it or info@ikrotec.it

ikrotec