Advanced IO RFID + REL

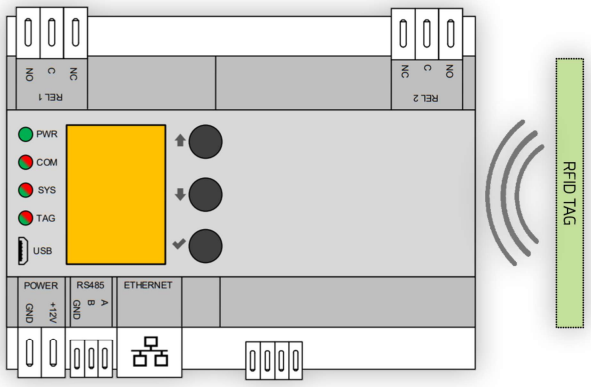
- RFID reader
- Integrated Modbus communication
- WiFi
- Radio module (optional)
- 2 x NO/NC relay
- Diagnostic/information display
- Ability to mount on DIN rail

DESCRIPTION

AdvancedIO RFID + Rel is a compact device intended for automatization of devices with access verification.
Integrated RFID reader can serve for verification, identification and monitoring of people accessing a restricted area, or device operator identification.
An optional external RFID reader can be added.
AdvancedIO RFID + Rel includes 2 relays with a maximum switching current of 5 A and voltage 250 VAC. They can be used for switching electronic devices, opening gates, doors, controlling light signalization, etc.
The whole device can be a part of the Industry 4.0 platform and is controlled through a serial interface RS485 using the industrial communication protocol Modbus/RTU, or through ethernet interface using the industrial communication protocol Modbus/TCP. The integrated display with buttons allows for control of the individual outputs manually, as well as monitoring the state of the inputs/outputs in real-time.
In case a wireless solution is needed, the communication can be executed through Wifi, or one of many radio modules in our selection (434 MHz, 868 MHz, Sigfox, NB-IoT, 3G/GSM, LoRaWAN).
The device can be easily mounted on a DIN rail.

SPECIFICATON

RFID	ISO 125 kHz / MiFare
Communication interface	1x Ethernet 1x WiFi 1x RS485
IO interface	2x relay output 250 VAC/5 A
Communication protocols	Modbus/RTU slave Modbus/TCP slave HTTP API (optional)
Optional radio modules	868/434 MHz, Sigfox, LoRaWAN, NB-IoT, 3G/GSM
Temperature range	-20 to +50 °C
Power supply voltage	24 VDC
Power consumption	max. 2 W (without radio module)
Dimensions	108 x 90 x 63 mm
Mount	DIN rail

TYPICAL APPLICATION

- Smart Manufacturing
- Industry 4.0
- Device operator identification
- Access control of restricted area