



# IO MODULES

with **RS232, RS485** or **ETHERNET**  
and with **MODBUS+ASCII** protocol

Discover our extensive range of IO MODULES  
for your favorite controller & software...



RESI Informatik & Automation GmbH  
Altenmarkt 29, A-8551 Wies, Austria  
Phone: +43 (0) 316-262062-0  
[sales@RESI.cc](mailto:sales@RESI.cc)  
[www.RESI.cc](http://www.RESI.cc)



# WHY?

IO modules are everywhere in modern building automation or industrial applications. They can interact with Almost any type of sensors (like switches, temperature, humidity, air quality, motion, brightness, pressure, ...) And they control & monitor almost any kind of actuator (like pumps, valves, volume flow controller, fire dampers, frequency converters, ...). In combination with a powerful controller of your choice, you can build almost any solution in this fields.

# WHAT?

We offer IO modules with **digital & analog inputs & outputs** and we offer many **combined** combined versions.

We offer **more than 100** different IO modules!

The **very slim IOs (1-2MU)** are equipped with **RS232** and **RS485** or **Ethernet**.

Our series of **BIGIOs (4-12MU)** use **RS485** or **Ethernet**.

The IO modules handle **digital signals** (DI/DO/RI/RO: AC or DC signals), **analog signals** (AI/AO: 0-10V, -10V..+10V), **RTD sensors** (RTD: PT100,PT100,NI1000,..), **relays** (CO/RO/PO/SSR: 230Vac, 30Vdc, 6/8A or solid state relays 230Vac or 60Vdc max. 6A or light switching bistable 230Vac, 16A, 200µF)

or **configurable universal analog inputs & outputs**

(AIOX: 0/2-10V or 0/4-20mA, AO:0/2-10V or 0/4-20mA, Ohm measurement up to 1MΩ, Temperature sensors: PT100,PT1000, NI1000 or digital inputs with logic level (24Vdc) or loop powered). **Every channel can be configured to a different type with software!**

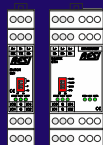
We offer special IO modules for **LED stripes** (1LED/2LEDWS: constant voltage or intelligent WS28xx LEDs), or for control of **shades & blinds** (SB: 230Vac or 30Vdc motors, time controlled)

# HOW?

Integrate our IO modules via a simple ASCII or via MODBUS protocol into your favorite controllers. For example use professional software like CODESYS®, PLCs or NodeRED®, NodeJS®, Python® to interact with our IO modules. They are also suitable to connect directly to OpenHAB®, home assistant® or io broker®. The ASCII protocol is very useful to integrate the IO modules into multi media controllers like Q-SYS®, CRESTRON®, CONTROL4® or AMX®.



# IO MODULES



RS232/RS485  
ETHERNET  
1MU  
2MU

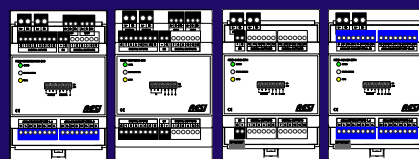
MODBUS/RTU  
MODBUS/TCP  
ASCII

## SLIM IOs

RESI-2RI,4DI,4DIBI,1RO,2RO,2SSR,4DO,2RTD,  
2AIU2AOU, 4AIU,4AOU,54AIOX,1LED,2LEDWS...-  
SIO,ETH

Ultra slim IOs with RS232/RS485 or  
Ethernet, MODBUS+ASCII protocol

- ✓ Many different versions...
- ✓ IOs with RS232/RS485: only 1MU (17.5mm)
- ✓ IOs with Ethernet: only 2MU (35.8mm)
- ✓ RS232/RS485: MODBUS/RTU slave, ASCII
- ✓ Ethernet: MODBUS/TCP server,  
MODBUS/RTU via Ethernet, ASCII
- ✓ Config with DIP switch
- ✓ LED status
- ✓ Mounting on 35mm DIN rail



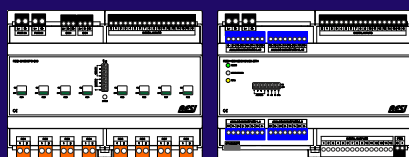
RS485  
ETHERNET  
MODBUS  
ASCII  
4MU

## BIG IOs 4MU

RESI-xxx-SIO  
RESI-xxx-ETH

4MU IO modules with RS485 or  
Ethernet, MODBUS+ASCII protocol

- ✓ Many different versions...
- ✓ 4MU width (72mm)
- ✓ RS485: MODBUS/RTU slave, ASCII
- ✓ Ethernet: MODBUS/TCP server,  
MODBUS/RTU via Ethernet, ASCII
- ✓ Config with DIP switch
- ✓ LED status
- ✓ Mounting on 35mm DIN rail or on-wall



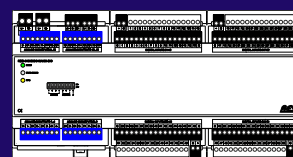
RS485  
ETHERNET  
MODBUS  
ASCII  
8MU

## BIG IOs 8MU

RESI-xxx-SIO  
RESI-xxx-ETH

8MU IO modules with RS485 or  
Ethernet, MODBUS+ASCII protocol

- ✓ Like BIG IOs 4MU, but with
- ✓ 8MU width (143mm)
- ✓ Up to 56 IOs in one module possible
- ✓ Combined IOs: 16xDI,30xDO and 16xAIOX or  
10xRI,8xRO
- ✓ Pure IOs: 12xAI, 12xAO, 8xRTD, 14xRI, 32xDI,  
30xDO, 8xCO, 8xRO, ...



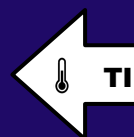
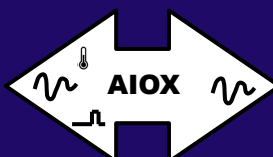
RS485  
ETHERNET  
MODBUS  
ASCII  
12MU

## BIG IOs 12MU

RESI-xxx-SIO  
RESI-xxx-ETH

12MU IO modules with RS485 or  
Ethernet, MODBUS+ASCII protocol

- ✓ Like BIG IOs 4MU, but with
- ✓ 12MU width (213mm)
- ✓ Up to 152 IOs in one module possible
- ✓ Combined IOs: 64xDI,60xDO and 16xAIOX or  
32xDI,24xRO and 16xAIOX
- ✓ Pure IOs: 48xRI, 152xDI, 128xDI, 64xDI, 90xDO,  
60xDO, 4xLED



## INTERESTED?

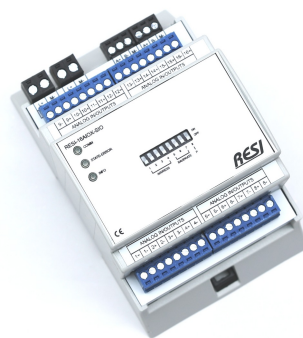
Contact our sales by email [sales@RESI.cc](mailto:sales@RESI.cc) or give us a call +43-316-262062-0



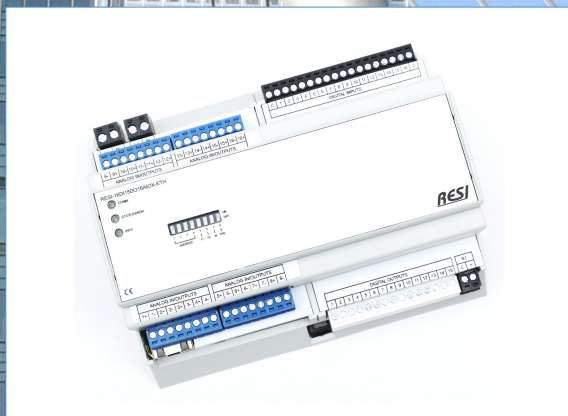
**RESI**



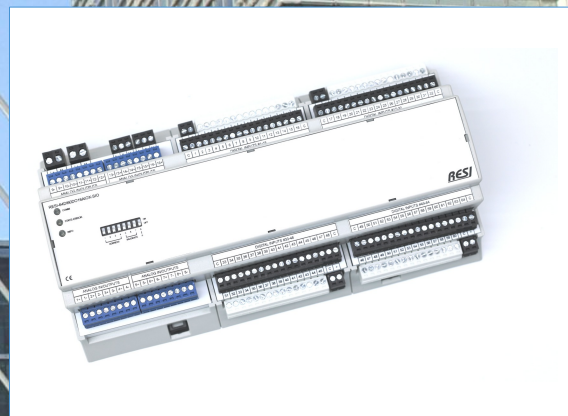
SLIMIOs (1MU, 2MU) with RS232/RS485 or Ethernet



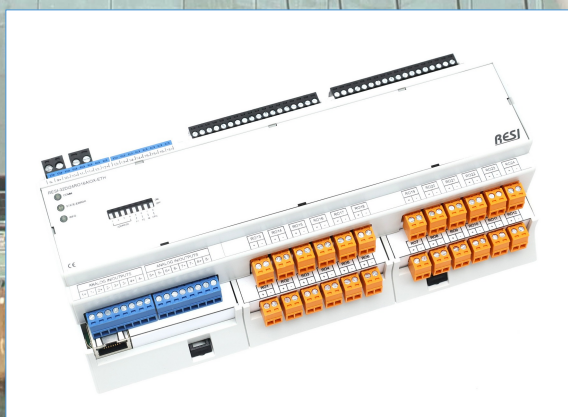
BIGIO: 16 universal analog I/Os



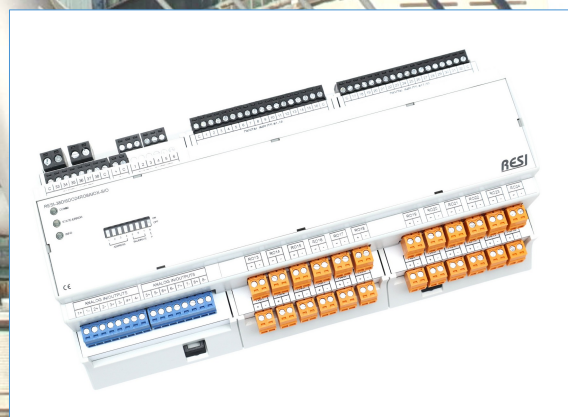
BIGIO: 31 digital I/Os+16 universal analog I/Os



BIGIO: 124 digital I/Os+16 universal analog I/Os



BIGIO: 32 digital I/Os, 24 relays+16 universal analog I/Os



BIGIO: 44 digital I/Os, 24 relays+8 universal analog I/Os

IO MODULES