

## OAS I/O WEB MODULE CONFIGURATOR INTEGRATION I/O-FIELDBUS MODULES

### OASModbusUtilitiesAsync

Simple, transparent, effective. The SBS I/O fieldbus modules enable the connection of digital or analog input and output values with the Modbus protocol. All necessary communication settings are made simply, transparently and effectively with the OAS I/O WEB module configurator.

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## OAS I/O WEB Module Configurator

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The OAS I/O WEB Module Configurator is used to configure communication with the controller in automatic mode via the RS 485 interface. The OAS I/O WEB Module Configurator is thus also a key to integrating the OAS I/O fieldbus modules into the Niagara platform. The configurable settings depend on the type of fieldbus module: digital or analog - according to the type of inputs and outputs, color change and LED color can be set for signaling active digital inputs or outputs, switching between normally open and normally closed, feedback protection, activation of safe position in case of malfunctions in the bus system, setting of analog characteristic curves, etc.

## Intelligent and comfortable:

The OAS I/O WEB Module Configurator is available for Niagara 4 based automation platforms. Any configuration of module and I/O settings is done comfortably and semi-automated via the OAS I/O WEB Module Configurator using current standard web browsers.

## Advantages:

- Any configuration of communication settings is conveniently and partially automated via the OAS I/O WEB Module Configurator on the Niagara automation platform.
- The configuration, monitoring and control of the inputs and outputs is implemented in automatic mode via the RS 485 interface.

# OASModbusUtilitiesAsync

## Type: OAS - MODBUS - UTILS - 16

The OAS I/O WEB Module Configurator is based on the software module OASModbusUtilitiesAsync.

This module is based on Tridium's ModBusDriverAsync and enables easy commissioning and operation of the OAS Modbus modules. The OASModbusUtilitiesAsync can be accessed via Niagara Workbench or via web browser.

Software Version: 1.0

## Licensing

The OASModbusUtilitiesAsync is limited to a total of 16 modules per network.

## User management

The OASModbusUtilitiesAsync are designed to be operated mainly via a web interface. However, commissioning is done exclusively via the Niagara Workbench. Therefore, the operators of the OASModbusUtilitiesAsync must be divided into two roles Web-User and Admin-User.

## Web Interfaces

The OAS I/O WEB Module Configurator provides an individual view for configuring the module and I/O settings. Basic information about the module can be viewed here and the properties can be changed.

LED colour: The colour of the individual dots can be adjusted by clicking on the LED circle.

The following colours are available:

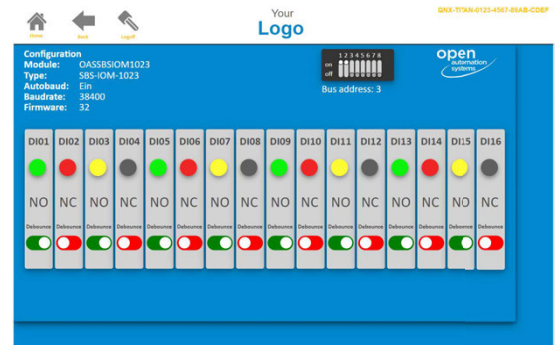
- red
- green
- yellow
- off/no colour

For more information, contact  
[sales@oa-systems.de](mailto:sales@oa-systems.de) or visit our store at  
[www.oa-systems.de](http://www.oa-systems.de)

# Available settings

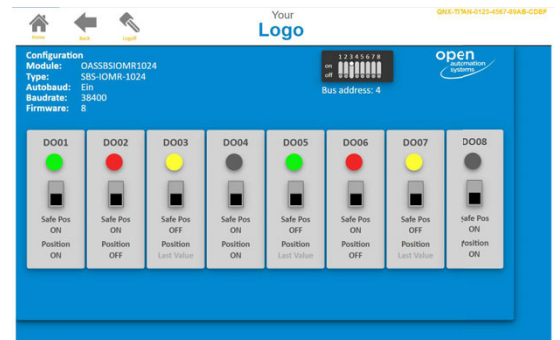
## For all modules with digital inputs:

- setting color change
- setting the LED color for signaling the digital inputs
- changeover normally open / normally close
- activation bounce protection



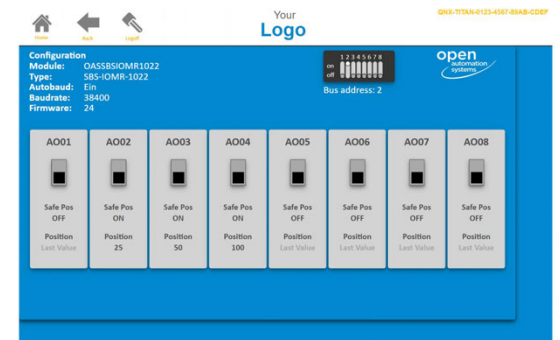
## For all modules with digital outputs:

- setting color change
- setting the LED color for signaling the digital inputs
- activation/adjustment Safe position (in case of BUS failure)



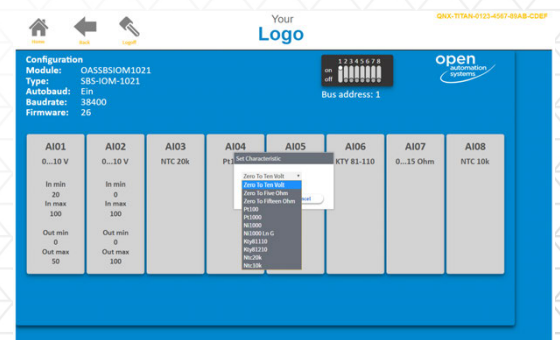
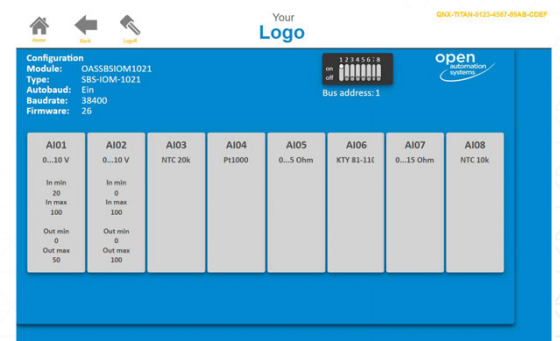
## For all modules with analog outputs:

- activation/setting safe position (in case of BUS failure)



## For all modules with analog inputs:

- characteristic curve setting





# MODULES

## OAS-SBS-IOM-1021

The OAS-SBS-IOM-1021 is a Modbus module that has 8 analogue inputs. Active signals (0...10V) and various passive sensors (e.g. Pt1000, Ni1000) can be connected. For more information, see the data sheet.



OAS-SBS-IOM-1021 Config View

## OAS-SBS-IOMR-1022

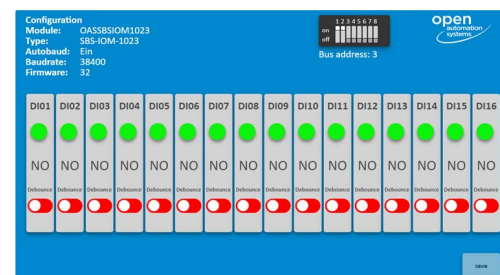
The OAS-SBS-IOMR-1022 is a Modbus module that provides 8 analogue outputs. Each output can output a signal between 0 and 10 volts. When one of the side switches is activated, the status LED 2 lights up red. For more information, see the data sheet.



OAS-SBS-IOMR-1022 Config View

## OAS-SBS-IOM-1023

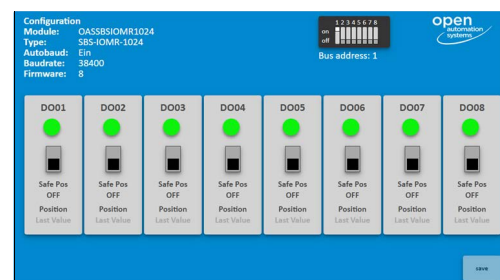
The OAS-SBS-IOM-1023 is a Modbus module that has 16 digital inputs. The inputs can also be used as counters. For more information, see the data sheet.



OAS-SBS-IOM-1023 Config View

## OAS-SBS-IOMR-1024

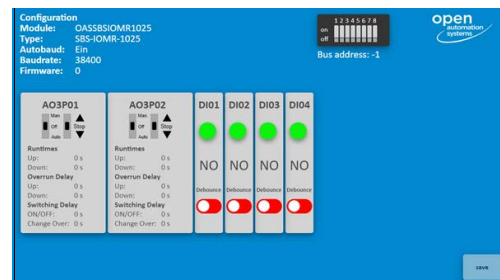
The OAS-SBS-IOMR-1024 is a Modbus module that provides 8 digital outputs. When one of the side switches is activated, the status LED 2 lights up red. For more information, see the data sheet.



OAS-SBS-IOMR-1024 Config View

## OAS-SBS-IOMR-1025

The digital input/output module OAS-SBS-IOMR-1025 has 2x 3-point relay outputs 230 V / 3 A in two groups, for controlling 2 OPEN-STOP-CLOSE drives or similar. The four digital inputs can be used for switching and signalling four messages, e.g. operating, fault or status messages. For more information, see the data sheet.



OAS-SBS-IOMR-1025 Config View

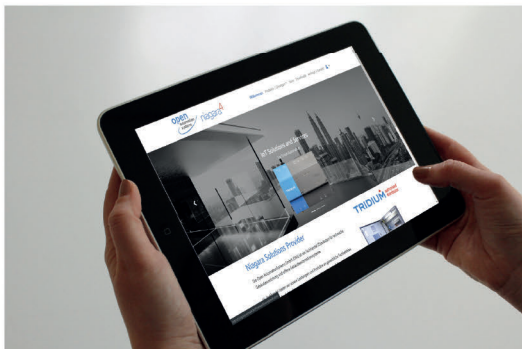
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