



TECHNICAL DATASHEET

OMM-851 Mixed Modbus RTU Module

Introduction

Welcome to ONAS-TECH: Your Gateway to Cutting-Edge Electronics Solutions.



At ONAS-TECH, we are committed to reshaping the electronics industry landscape. With a foundation built on pioneering technological advancements, ONAS-TECH stands as your reliable partner for innovative and energy-efficient electronic solutions. As we embark on a mission to revolutionize the way electronics are perceived and utilized, we invite you to explore our latest product offerings and join us in shaping the future of technology together.

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For Technical support, please contact us: support@onastech.com

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Overview

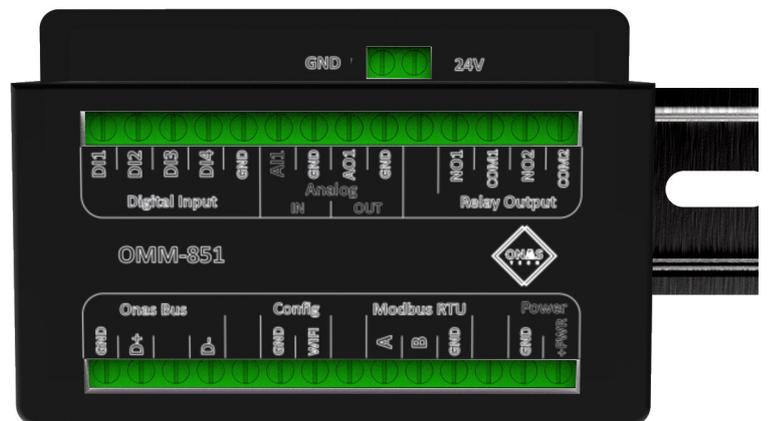
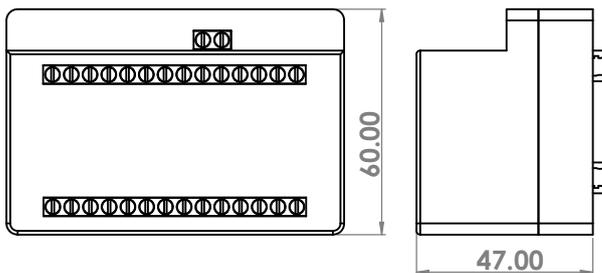
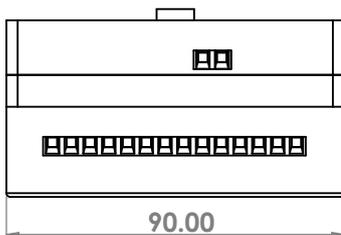
The OMM-851 is a compact and flexible mixed I/O module designed for industrial and building automation applications. It integrates digital inputs, relay outputs, and analog I/O (0–10 V) into a single unit, making it ideal for interfacing with field devices such as sensors, actuators, and controllers. With Modbus RTU communication over RS485 and an intuitive Wi-Fi web interface for configuration, the OMM-851 ensures seamless system integration and easy setup. Powered by 24 V DC, the module delivers stable and reliable performance in demanding environments.

Technical Specifications

Property	Description
Input Voltage	24V DC \pm 20%
Digital inputs	4 Digital inputs (Active Low) with the GND
Relay Output	2 Relay Output up to 1.5 A
Analog Output	1 Analog Output Voltage (0-10) DC voltage
Analog Input	1 Analog Input Voltage (0-10) DC voltage
Terminals	Screw and Screw plugs
Communication Protocol	Modbus RTU (RS-485)- changing address by software method – ONAS BUS
Operating Temperature	0 ... 60 °C
Compliance	<p>Approval from the ministry of industry in Egypt. Complied to IEC 63044-5-1 & IEC 63044-5-2 requirements which are equivalent to the following:</p> <ul style="list-style-type: none"> - UL 916 requirements. - EN 50491-11 requirements.

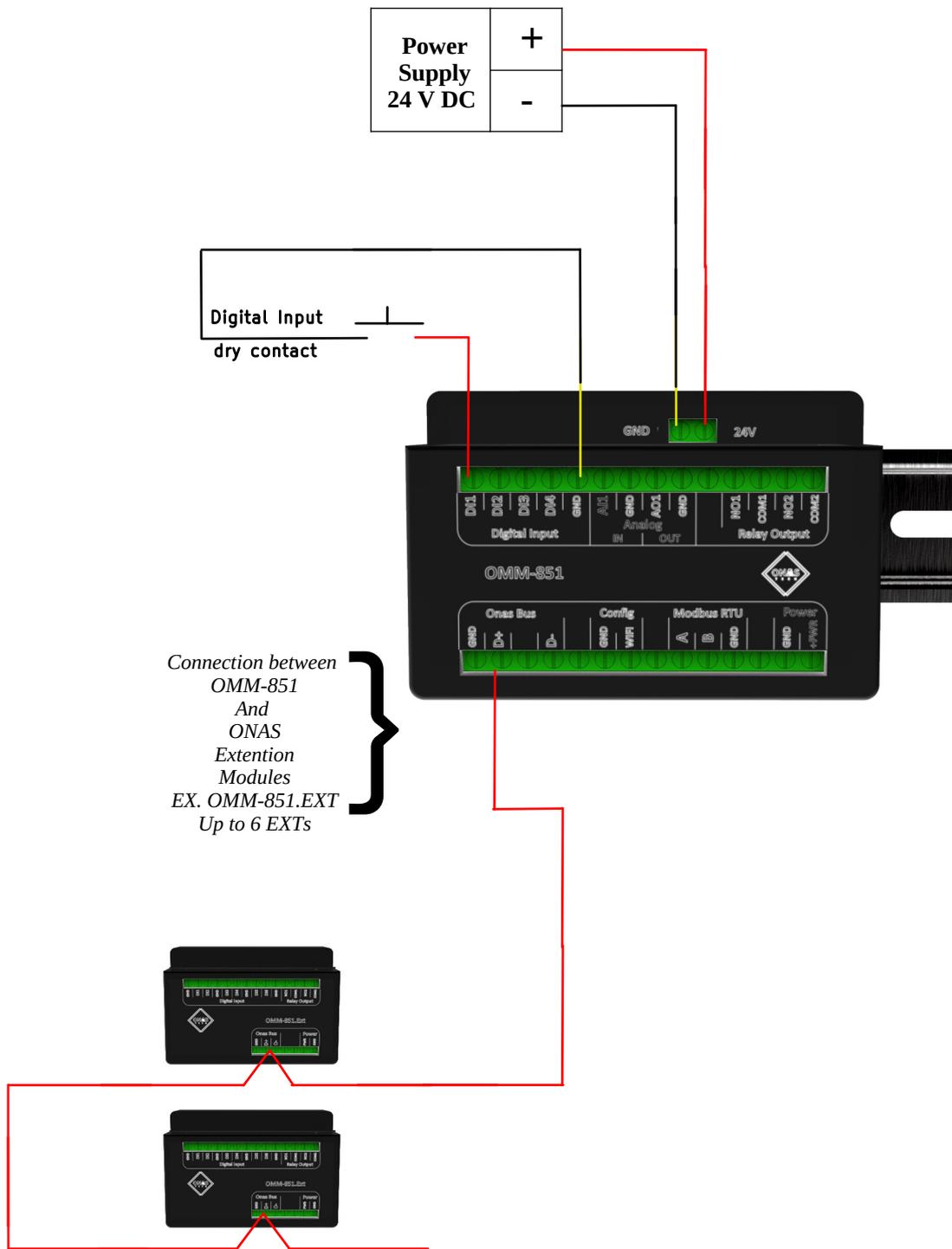
Mounting

Din Rail or wall mounted



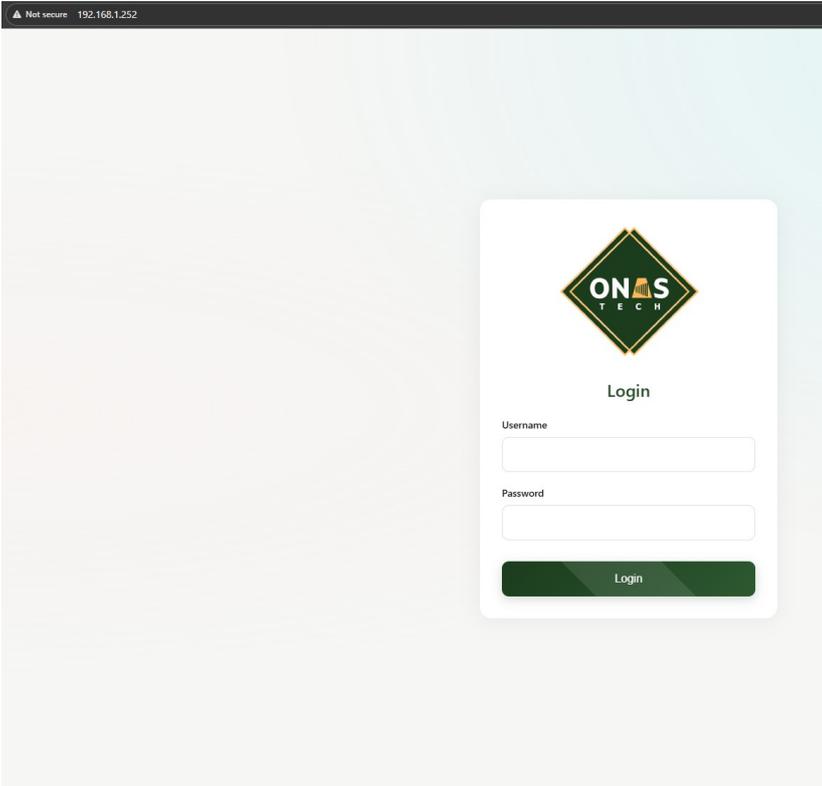
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Web server configuration

This feature also here in OMM-851 for communication setting such as address , baud rate . by enabling the wifi in the module and connecting the wifi network then you can set the address and baud rate as per your requirements



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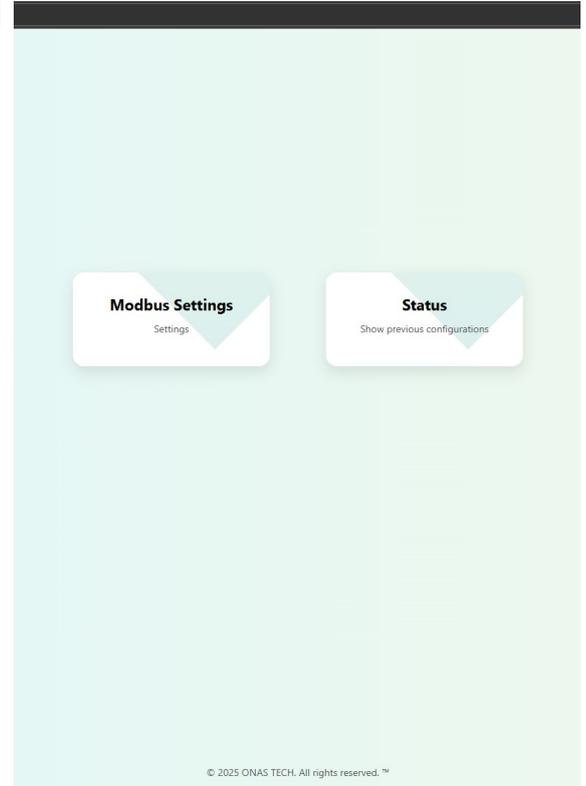
**ONAS
TECH**

Login

Username

Password

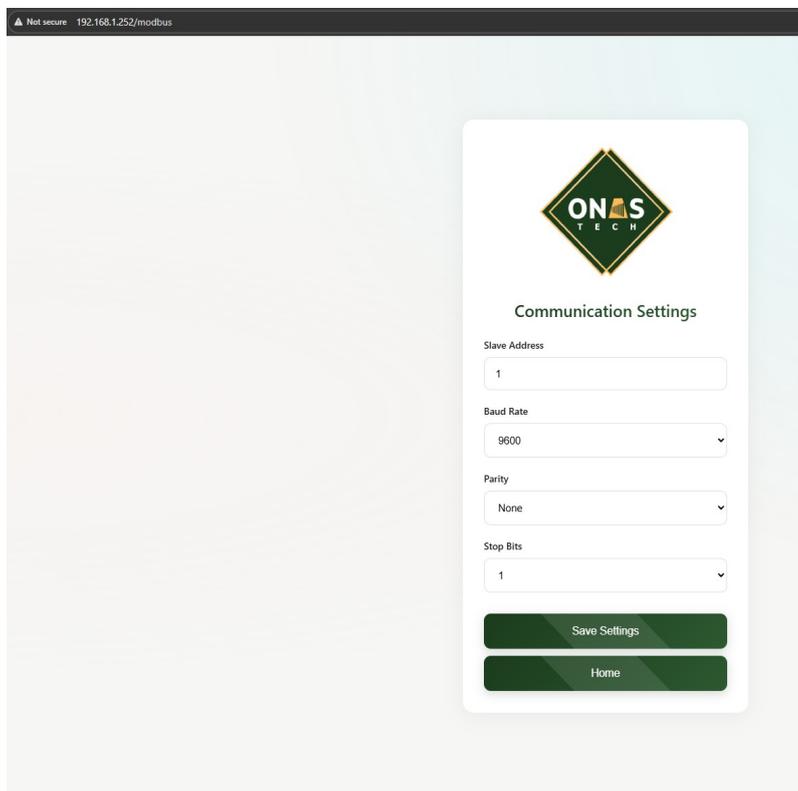
Login



Modbus Settings
Settings

Status
Show previous configurations

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Communication Settings

Slave Address

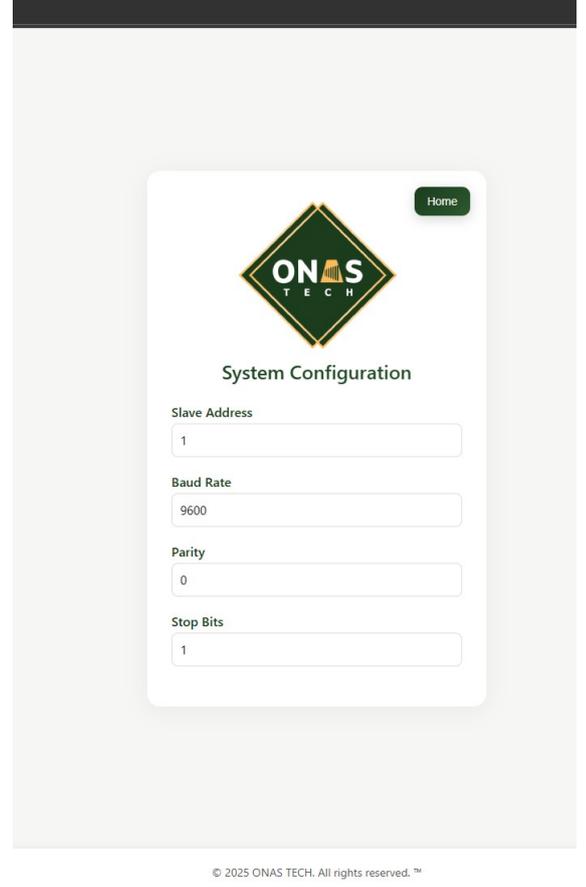
Baud Rate

Parity

Stop Bits

Save Settings

Home



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System Configuration

Slave Address

Baud Rate

Parity

Stop Bits

Home

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Order Information

Feel free to contact us about your situation to select the best solution for you based on your IO List, ONAS presents

OMM-851 Mixed Modbus RTU Module

4 Digital Inputs
1 Analog Output
1 Analog Input
2 Relay Output

Contact us

For all inquiries regarding information and technical support,
we kindly request that you direct your correspondence to our dedicated team.
Our representatives are available to assist you via email at: support@onastech.com

Or visit our website www.onastech.com

We look forward to resolving
your inquiries promptly and professionally.



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Technical specifications and availability subject to change without notice.