TECHNICAL DATASHEET

OMM-351
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

Overview

The OMM-351 is a versatile mixed I/O module designed for industrial and building automation.

It provides flexible input and output options in a compact form, combining universal inputs (UI), analog output, and relay output into a single device. The universal inputs support Digital Input (DI), NTC10K temperature sensors, or Analog Input (0–10 V), enabling integration with a wide range of field devices. The module also includes a 0–10 V analog output for control signals (e.g., to VSDs, actuators) and a relay output for switching loads.

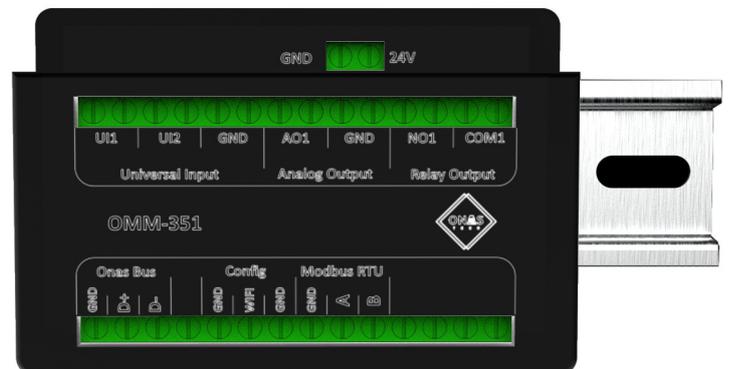Powered by 24 V DC, the OMM-351 ensures reliable operation and seamless communication through Modbus RTU protocol.
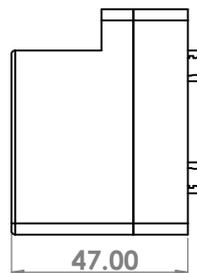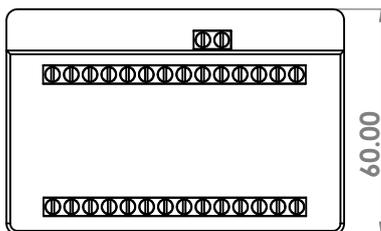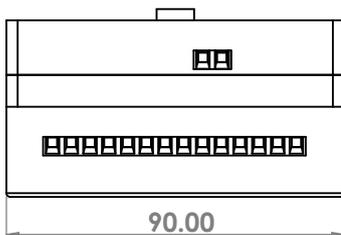
A built-in Wi-Fi web interface allows quick and easy configuration of communication and I/O parameters.

Technical Specifications

Property	Description
Input Voltage	24V DC ± 20%
Universal inputs	2 Uis (DI or AI or NTC10K)
Relay Output	1 Relay Output up to 1.5 A
Analog Output	Analog Output 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	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: - UL 916 requirements. - EN 50491-11 requirements.

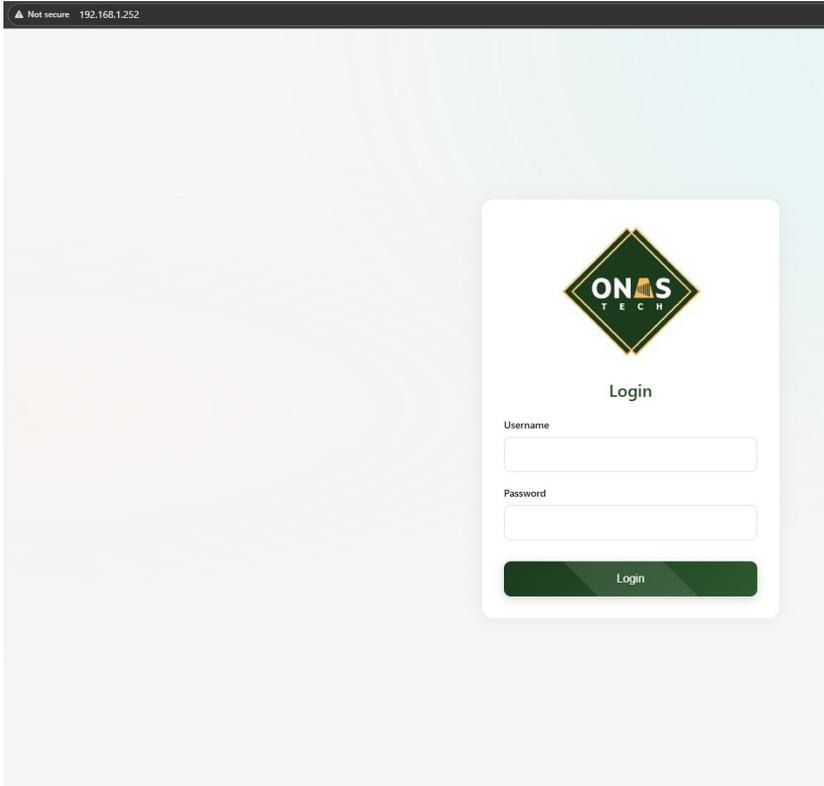## Mounting

Din Rail or wall mounted

Power Supply 24 V DC + −

AI Analog Input 0−10 V

UI 01 and UI 02

NTC10K

PT−1000

Digital Input

dry contact

GND

GND 24V

UI1 | UI2 | GND | AO1 | GND | NO1 | COM1

Universal Input | Analog Output | Relay Output

OMM-351

Onas Bus | Config | Modbus RTU

GND | Config | WIFI | GND | GND

Connection between OMM-351 And ONAS Extention Modules EX. OMM-851.EXT Up to 6 EXTs

OMM-851.Ext

OMM-851.Ext

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2025

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This feature also here in OMM-351 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
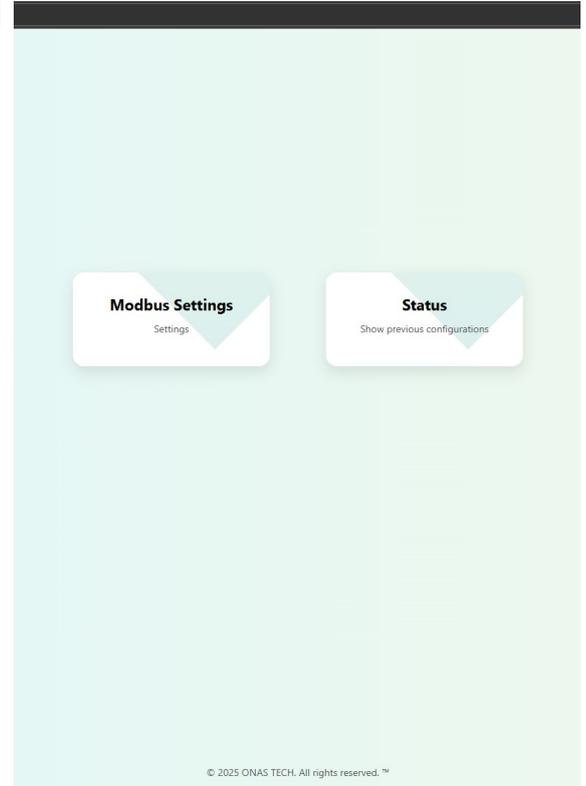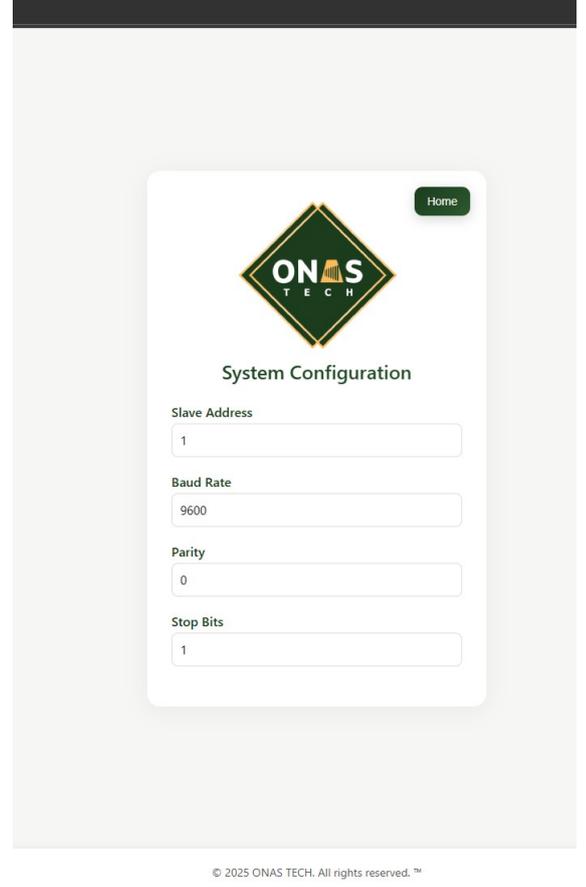

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Order Information

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

OMM-351 Mixed Modbus RTU Module

> **2 Universal Inputs**
> **1 Analog Output**
> **1 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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