TECHNICAL DATASHEET

OAM-252
2 Temperature Sensors Inputs Modbus RTU

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.

Contents

1 - Overview
2 - Technical Specifications
3 - Wiring
4 - Mounting
5 - Webserver Configuration
6 - Module Registers
7 - Order Information
8 - Contact us

Overview

The OAM-252 is a compact Modbus RTU device designed for monitoring two NTC10K temperature sensor inputs.

It is ideal for temperature monitoring, HVAC control, and system integration in both industrial and building automation.

Powered by 24V AC, the module ensures stable and reliable operation.

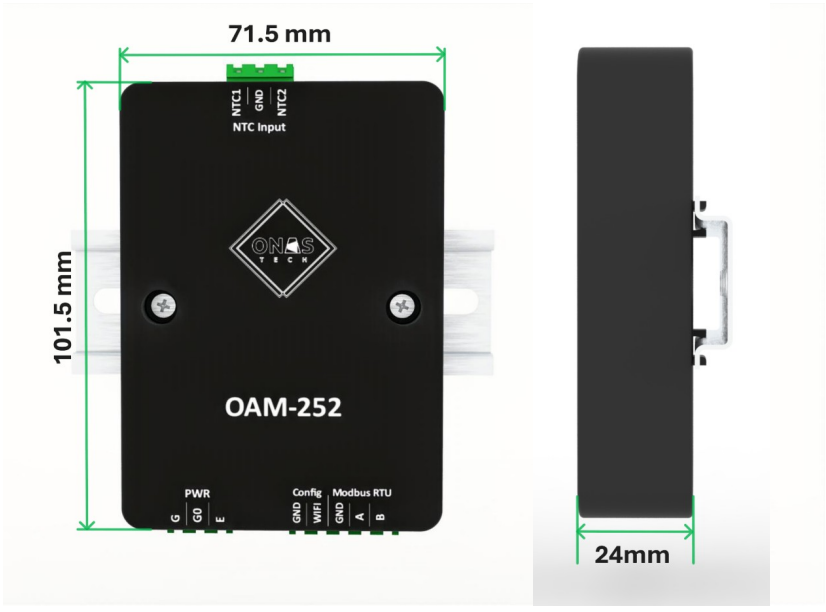
An intuitive Wi-Fi web interface makes Modbus communication setup simple and efficient.

Technical Specifications

Property	Description
Input Voltage	24V AC ± 20% or 30 V DC
Frequency	50Hz/60Hz for the AC input voltage
2 Inputs Input Registers	2 NTC 10K Inputs Temperature Sensors
Terminals	Screw and Screw plugs
Communication Protocol	Modbus RTU (RS-485)- changing address by software method
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.

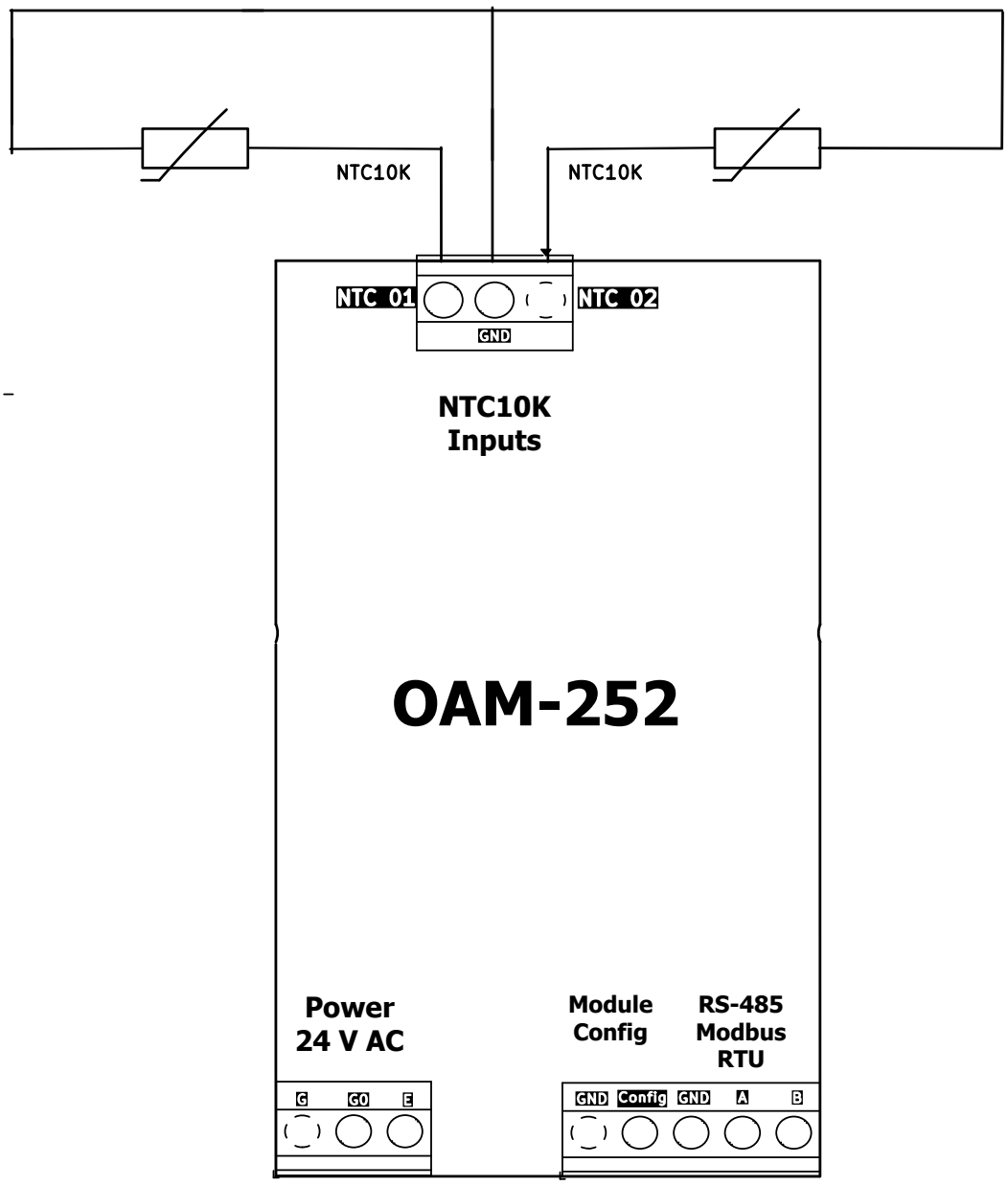
Mounting

Din rail or Wall mounted



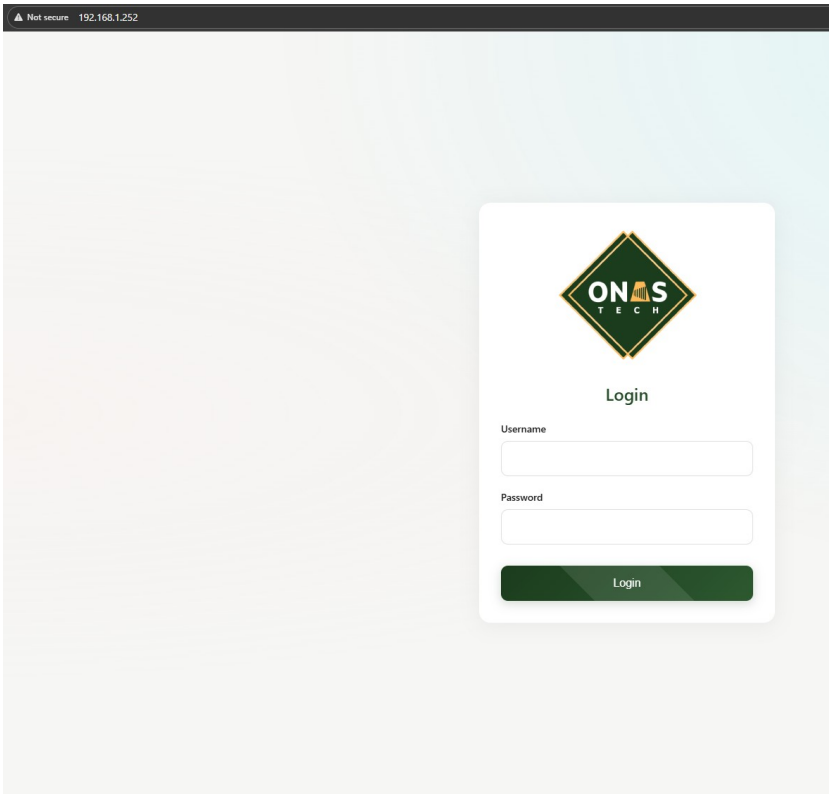


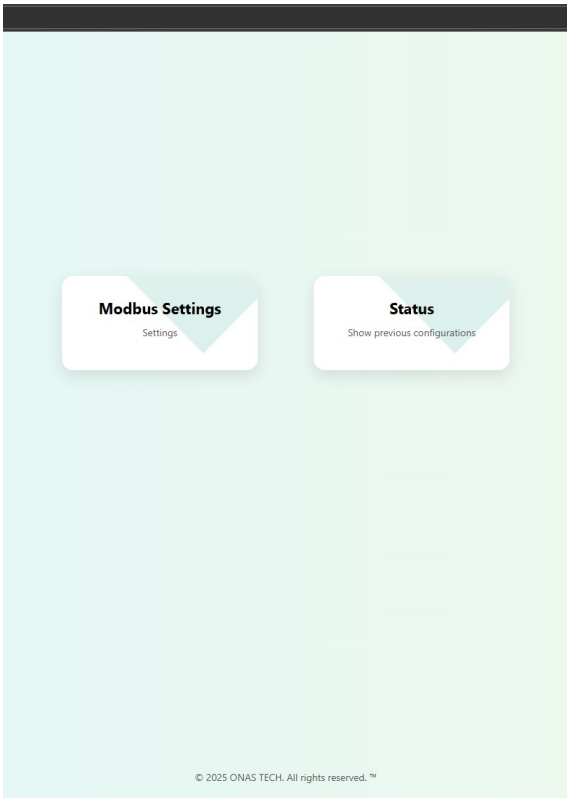
Wiring

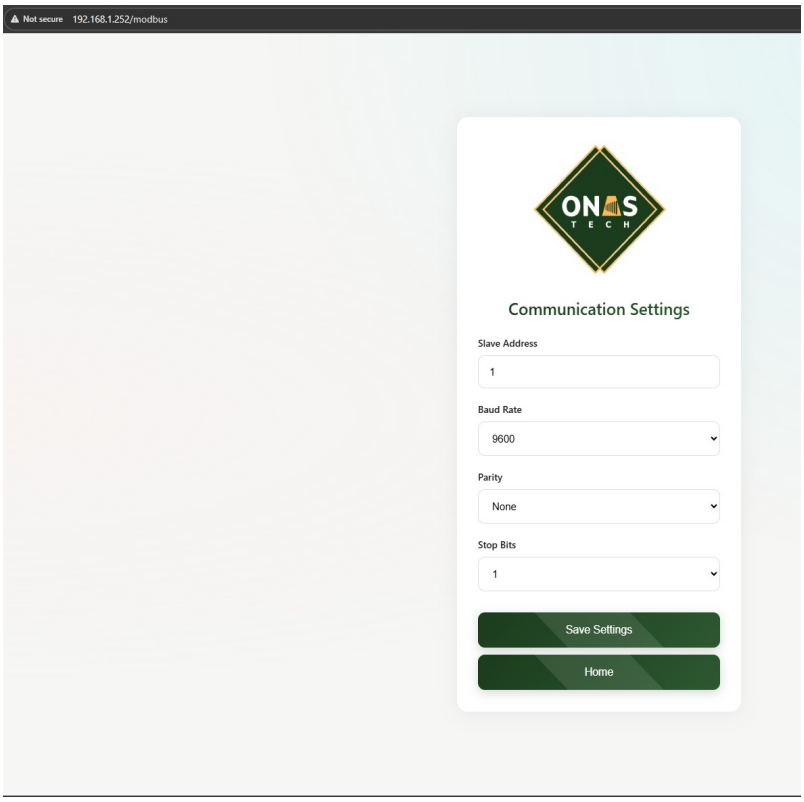

NTC10K
NTC10K
NTC 01
NTC 02
GND
NTC10K
Inputs
OAM-252
Power
24 V AC
G
G0
E
Module
Config
RS-485
Modbus
RTU
GND
Config
GND
A
B

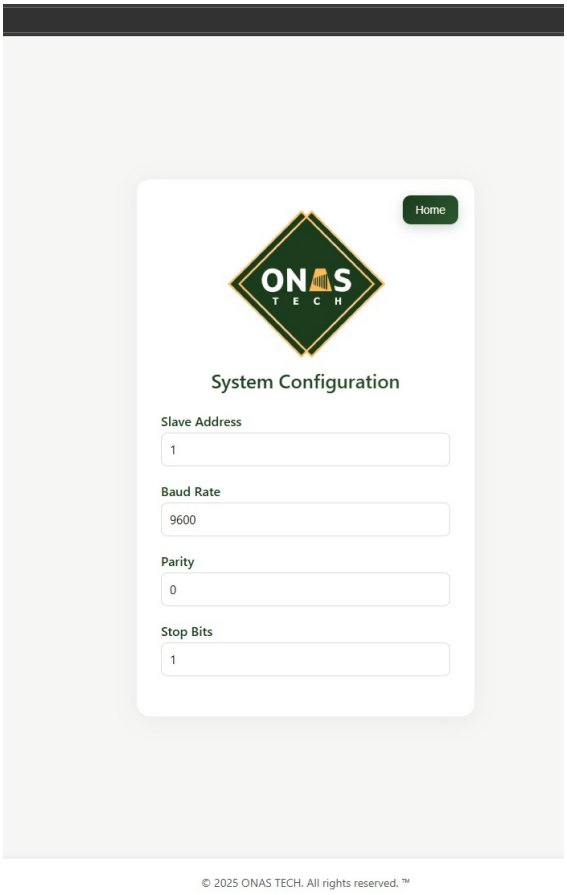
Web server configuration

This feature also here in OAM-252 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









Module Registers

Here the registers of the module to be used from the DDC /PLC software

NTC name	Register number/type
NTC 01	40001/ Holding Register
NTC 02	40002/ Holding Register

Order Information

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

OAM-252 2 Temperature Sensors Inputs modbus RTU module

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.



Issued by
Onastech
5th floor, Building no. 49, 291 st.,
New Maadi,Cairo,
Egypt
Tel. +2 02 25 19 01 93
www.onastech.com

Onastech, 2025
Technical specifications and availability subject to change without notice.