

RN00443

Modbus TCP Protocol

Rev. 1.0 — 2 April 2026

Release notes

Document information

Information	Content
Keywords	RN00443, Modbus TCP Protocol, GOAL Modbus Stack, Modbus TCP Server, User-programmable data regions, Industrial Communication
Abstract	This release note provides an overview of the GOAL Modbus TCP Protocol implementation, summarizing the supported features and outlining the known restrictions and open issues.



1 Features

Below are all supported features of the GOAL Modbus Stack:

- Capable of operating as a Modbus TCP Server
- User-programmable data regions for coils, discrete inputs, and registers
- Supported link speeds: 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
- Supports single-port or multiport devices
- Supported function codes:
 - 0x01 – Read coils
 - 0x02 – Read discrete inputs
 - 0x03 – Read holding registers
 - 0x04 – Read input registers
 - 0x05 – Write single coil
 - 0x06 – Write single register
 - 0x0F – Write multiple coils
 - 0x10 – Write multiple registers

2 Known restrictions

There are no known restrictions in this release.

3 Changelog and open issues

Currently, there are no open issues on Modbus/TCP.

For open issues on GOAL, refer to *Generic Open Abstraction Layer* (document [RN00434](#)).

4 Revision history

[Table 1](#) summarizes the revisions to this document.

Table 1. Revision history

Document ID	Release date	Description
RN00443 v.1.0	2 April 2026	Initial public release

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