

Socomec Security Notification

28/10/2025

OVERVIEW

Socomec has always been committed to building security into its products in order to guarantee the security of the installation or facility and to protect its users. Products evolve, and their design becomes more complex as it adds new technological layers such as electronics or IT.

Additionally, the functions and features provided to our customers become more generalised as they are no longer based on a single, stand-alone product, but on a complete “eco-system” comprising a set of products, communication networks and virtual servers in the Cloud and their associated applications.

To ensure a security along the system lifecycle, Socomec strongly recommend to apply remediations as soon as possible, according your risk assessment.

AFFECTED PRODUCT AND VERSION

PRODUCT

DIRIS Digiware M-50

VERSION

1.6.9

PROBLEM DETAILS

SUBJECT

CVE-2025-54850 - Modbus RTU over TCP - Modbus Address modification

DESCRIPTION

An attacker can trigger this denial-of-service condition by sending a sequence of Modbus RTU over TCP messages to port 503 using the Write Single Register function code (6). The attack sequence begins with a message to register 58112 with a value of 1000, indicating that a configuration change will follow. Next, a message is sent to register 29440 with a value corresponding to the new Modbus address to be configured. Finally, a message to register 57856 with a value of 161 commits the configuration change.

After this configuration change, the device will be in a denial-of-service state.

IMPACT

CVSS

Attack Vector (AV)

Network (N)

Privileges Required (PR)

None (N)

Scope (S)

Unchanged (U)

Integrity (I)

None (N)

Attack Complexity (AC)

Low (L)

User Interaction (UI)

None (N)

Confidentiality (C)

None (N)

Availability (A)

High (H)

CVSS Score

7,5

CVSS Criticality

High

RESOLUTION INFORMATION

RESOLUTION

To enforce the security, we recommend to turn the device in secure state with the following recommendation.

RECOMMENDATIONS

Using the Cyber Security user profile in WEBVIEW-M, disable Modbus over Ethernet Writing.

GENERAL SECURITY RECOMMENDATIONS

We strongly recommend the following industry cybersecurity best practices.

- Locate control and safety system networks and remote devices behind firewalls and isolate them from the business network.
- Install physical controls so no unauthorized personnel can access your industrial control and safety systems, components, peripheral equipment, and networks.
- Place all controllers in locked cabinets and never leave them in the "Program" mode.
- Never connect programming software to any network other than the network for the devices that it is intended for.
- Scan all methods of mobile data exchange with the isolated network such as CDs, USB drives, etc. before use in the terminals or any node connected to these networks.
- Never allow mobile devices that have connected to any other network besides the intended network to connect to the safety or control networks without proper sanitation.
- Minimize network exposure for all control system devices and systems and ensure that they are not accessible from the Internet.
- When remote access is required, use secure methods, such as Virtual Private Networks (VPNs). Recognize that VPNs may have vulnerabilities and should be updated to the most current version available. Also, understand that VPNs are only as secure as the connected devices.

For more information refer to the Socomec Cybersecurity Best Practices document.

CONTACT US

This document provides an overview of the identified vulnerability or vulnerabilities and actions required to mitigate. For more details and assistance on how to protect your installation, contact your local Socomec Cybersecurity representative.

Need to report an incident or a vulnerability? [HERE](#)

For further information related to cybersecurity in Socomec's products, visit the company's cybersecurity support portal page [HERE](#).

ABOUT SOCOMEC

Founded in 1922, SOCOMEC is an independent industrial group with a workforce of 3600 experts spread over 28 subsidiaries in the world. Our core business: the availability, control and safety of low voltage electrical networks serving our customers' power performance.

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