WESTERMO

Westermo-25-05: Improper argument handling

Severity: **HIGH**   2025-03-26

Description

WeOS utilizes several different third-party components that provide vital services to Westermo products. The component providing the capability for system management introduced a potential exploitable vulnerability in WeOS, due to improper argument handling.

Affected versions

WeOS 5: Affects all versions of WeOS 5 up to and including 5.23.0.

WeOS 4 is not affected.

Impact

A potential adversary could gain access to WeOS configuration interface, utilizing the console port on Westermo device running specified WeOS versions.

Severity

Base score	The CVSS severity base score is 8.6
Environmental	The CVSS environmental score is 7.4
Vector string	#CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:H/MAV:P

Mitigation

Westermo recommends upgrading to the latest WeOS 5 version available. The threat can be reduced by physical enclosing the device and by that prevent the access to the console port.

Updates

WeOS 5 - With the release of WeOS 5 version 5.24.0 the vulnerability has been removed. Additionally, Westermo have released the following versions of WeOS 5 to support customers that are not able to upgrade to the latest version of WeOS:

- 5.21.2
- 5.22.2
- 5.23.1

References

WeOS - Westermo Operating System ▷ Westermo https://www.westermo.com/solutions/weos

CWE-233: Improper Handling of Parameters

Revision History

Mar 26, 2025: Initial release