

Ambiq Security Advisory

PRODUCT SECURITY NOTIFICATION

Overview

Ambiq products use the ARM Cortex M55 core for several of our devices. ARM has released a Security Bulletin for the Cortex-M security extensions enabled on these cores. This advisory refers customers to that bulletin and suggests that they follow the advice in terms of toolchain selection.

Common Vulnerabilities and Exposure (CVE) ID(s)

The following CVE are covered in this Security Advisory:

[CVE-2024-7883](#)

Please also see the ARM security bulletin here:

<https://developer.arm.com/documentation/110370/latest>

Affected Products

This vulnerability impacts all of the following devices:

Apollo330B Plus, Apollo330M Plus, Apollo510, Apollo510 Lite, Apollo510B, Apollo510B Lite, Apollo510D Lite

Security Risk Assessment

The vulnerability identified as **CVE-2024-7883** poses a specific risk under a limited set of circumstances. As such, this is a low-risk situation, but the customer should act if they are still using the affected toolchains.

Mitigation and Remediation

Migration from impacted toolchains is recommended.

Availability of Fix

Ambiq will not provide a specific fix for the issue. ARM is supporting the toolchains involved.

Customer Guidance

Ambiq recommends that customers update their tools.

Reporting and Support

Contact the Ambiq Product Security Team at psirt@ambiq.com.

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