



Issued Date: **January 21, 2026**  
Issued By: Product Security Incident Response Team (PSIRT)  
A-SOCAPG-PSNGA01EN v1.0

# Ambiq Security Advisory

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## PRODUCT SECURITY NOTIFICATION

### Overview

Ambiq includes the open-source Cordio Bluetooth Low Energy Host stack in its AmbiqSuite SDK. Several related Common Vulnerabilities and Exposures (CVEs) have been identified affecting multiple files in this software. This Security Advisory deals with six (6) related issues below.

### Common Vulnerabilities and Exposure (CVE) ID(s)

The following CVEs are covered in this Security Advisory:

[CVE-2024-48981](#), [CVE-2024-48982](#), [CVE-2024-48983](#), [CVE-2024-48984](#), [CVE-2024-48985](#), [CVE-2024-48986](#)

### Affected Products

These vulnerabilities impact all AmbiqSuite releases that support the Cordio Bluetooth Low Energy Host stack. This includes products using the following devices:

*Apollo3 Blue, Apollo3 Blue Plus, Apollo330B Plus, Apollo330M Plus, Apollo4 Blue, Apollo4 Blue Lite, Apollo4 Blue Plus, Apollo510B, Apollo510B Lite*

### Security Risk Assessment

The set of vulnerabilities identified as **CVE-2024-48981** through **CVE-2024-48986** poses a potential security risk to affected systems if not addressed. While the specific impact may vary by system configuration and exposure, exploitation could compromise standard security controls, leading to unauthorized access, information disclosure, service disruption, or reduced system integrity. The presence of multiple related vulnerabilities increases the chance of combined or chained exploitation in certain scenarios. Customers are strongly advised to implement the recommended updates and mitigations promptly to minimize the overall attack surface and protect the confidentiality, integrity, and availability of their systems.

### Mitigation and Remediation

Fixes for these issues are available from Ambiq via “Known Defects” releases on existing SDKs for the families of Apollo3, Apollo4, and Apollo5. You can access the “Known Defects” releases on Ambiq’s [Content Portal](#).

### Availability of Fix

R5.1.0 Known Defects release made this week.

CVE-2024-48981 and CVE-48985 were fixed on April 22, 2021, and are contained in AmbqSuite [SDK R4.5.0](#).

CVE-2024-48982, CVE-2024-48983, CVE-2024-48984, and CVE-2024-48986 have all been fixed in a Known Defects and Patches release made on January 9, 2026, for the Apollo4 family devices and January 22, 2026, for the Apollo3 family devices. A future release for Apollo5 devices is planned, but not yet available.

### Customer Guidance

Ambiq recommends that customers update their software in accordance with the Known Defects releases.

### Reporting and Support

Contact the Ambiq Product Security Team at [psirt@ambiq.com](mailto:psirt@ambiq.com).

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