



# CVE-2025-54510

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## Summary

<b>CVE</b>	CVE-2025-54510
<b>State</b>	PUBLISHED
<b>Assigner</b>	AMD
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-04-16 19:16:32 UTC
<b>Updated</b>	2026-04-16 20:16:37 UTC
<b>Description</b>	A missing lock verification in AMD Secure Processor (ASP) firmware may permit a locally authenticated attacker with admin

## Risk And Classification

**Primary CVSS:** v4.0 5.9 MEDIUM from psirt@amd.com

CVSS:4.0/AV:L/AC:L/AT:N/PR:H/UI:N/VC:N/VI:N/VA:N/SC:N/SI:H/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

**Problem Types:** CWE-414 | CWE-414 CWE-414 Missing Lock Check

Version	Source	Type	Score	Severity	Vector
4.0	psirt@amd.com	Secondary	5.9	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:H/UI:N/VC:N/VI:N/VA:N/SC:N/SI:H/SA:N/E:X/C...
4.0	CNA	CVSS	5.9	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:H/UI:N/VC:N/VI:N/VA:N/SC:N/SI:H/SA:N

## CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

None

Privileges Required

High

User Interaction

None

Confidentiality

None

Integrity

None

None

Availability

None

Sub Conf.

None

Sub Integrity

High

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:N/PR:H/UI:N/VC:N/VI:N/VA:N/SC:N/SI:H/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	AMD	<a href="#">AMD EPYC 9004 Series Processors</a>	unaffected GenoaPI_1.0.0.H	Not specified
CNA	AMD	<a href="#">AMD EPYC 7003 Series Processors</a>	unaffected MilanPI-SP3_1.0.0.J	Not specified
CNA	AMD	<a href="#">AMD EPYC 9005 Series Processors</a>	unaffected TurinPI_1.0.0.8	Not specified
CNA	AMD	<a href="#">AMD EPYC 8004 Series Processors</a>	unaffected GenoaPI_1.0.0.H	Not specified
CNA	AMD	<a href="#">AMD EPYC Embedded 7003 Series Processors</a>	unaffected EmbMilanPI-SP3 1.0.0.D	Not specified
CNA	AMD	<a href="#">AMD EPYC Embedded 9004 Series Processors</a>	unaffected EmbGenoaPI-SP5 1.0.0.D	Not specified
CNA	AMD	<a href="#">AMD EPYC Embedded 9004 Series Processors</a>	unaffected EmbGenoaPI-SP5 1.0.0.D	Not specified
CNA	AMD	<a href="#">AMD EPYC Embedded 8004 Series Processors</a>	unaffected EmbGenoaPI-SP5 1.0.0.D	Not specified
CNA	AMD	<a href="#">AMD EPYC Embedded 9005 Series Processors</a>	unaffected EmbeddedTurinPI_SP5_1004	Not specified

### References

Reference	Source	Link	Tags
<a href="http://www.amd.com/en/resources/product-security/bulletin/AMD-SB-3034.html">www.amd.com/en/resources/product-security/bulletin/AMD-SB-3034.html</a>	psirt@amd.com	<a href="http://www.amd.com">www.amd.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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