



# CVE-2025-0045

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2025-0045
<b>State</b>	PUBLISHED
<b>Assigner</b>	AMD
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-15 02:16:22 UTC
<b>Updated</b>	2026-05-15 02:16:22 UTC
<b>Description</b>	Improper Input validation in the AMD Secure Processor (ASP) PCI driver may allow a local attacker to create a buffer overfl

## Risk And Classification

**Primary CVSS:** v4.0 6.9 MEDIUM from psirt@amd.com

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:L/VA:H/SC:N/SI:N/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-120 | CWE-120 CWE-120 Buffer Copy without Checking Size of Input ('Classic Buffer Overflow')

Version	Source	Type	Score	Severity	Vector
4.0	psirt@amd.com	Secondary	6.9	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:L/VA:H/SC:N/SI:N/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
4.0	CNA	CVSS	6.9	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:L/VA:H/SC:N/SI:N/SA:N

## CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

None

Integrity

Low

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:L/VA:H/SC:N/SI:N/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:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

### Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	AMD	Athlon 3000 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	Ryzen 4000 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	Ryzen 6000 Series Processors With Radeon GraphicsRyzen 7035 Series Processors With Radeon Graphics	unaffected
CNA	AMD	Ryzen 7040 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	Ryzen 7020 Series Processors With Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen 7045 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen Z1 Series Processors	unaffected
CNA	AMD	AMD Ryzen 5000 Series Desktop Processor With Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen Threadripper PRO 3000 WX-Series Processors	unaffected
CNA	AMD	AMD Ryzen 7030 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen Threadripper 3000 Series Processors	unaffected
CNA	AMD	AMD Ryzen 8040 Series Mobile Processors With Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen 9000HX Series Processors	unaffected
CNA	AMD	AMD Ryzen AI Max 300 Series Processors	unaffected
CNA	AMD	AMD Ryzen 9000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen Threadripper PRO 9000 WX-Series Processors	unaffected
CNA	AMD	AMD Ryzen Threadripper 9000 Processors	unaffected
CNA	AMD	AMD Ryzen Threadripper 7000 Processors	unaffected
CNA	AMD	AMD Ryzen Threadripper PRO 7000 WX-Series Processors	unaffected
CNA	AMD	AMD Ryzen Z2 Series Processors Extreme	unaffected
CNA	AMD	AMD Ryzen Threadripper PRO 7000 WX-Series Processors	unaffected
CNA	AMD	AMD Ryzen AI 300 Series Processors	unaffected
CNA	AMD	AMD Ryzen 5000 Series Mobile Processors With Radeon Graphics	unaffected

CNA	AMD	AMD Ryzen 5000 Series Mobile Processors with Radeon Graphics	unaffected
CNA	AMD	AMD Ryzen 3000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen 2000 Mobile Processors	unaffected
CNA	AMD	AMD Ryzen 5000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen 7000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen 8000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen 7000 Series Desktop Processors	unaffected
CNA	AMD	AMD Ryzen Embedded R1000 Series Processors	unaffected
CNA	AMD	AMD Ryzen Embedded R2000 Series Processors	unaffected
CNA	AMD	AMD Ryzen Embedded V1000 Series Processors Formerly Codenamed Raven Ridge	unaffected
CNA	AMD	AMD Ryzen Embedded V2000 Series Processors	unaffected
CNA	AMD	AMD Ryzen Embedded 8000 Series Processors	unaffected
CNA	AMD	AMD Ryzen Embedded 7000 Series Processors	unaffected
CNA	AMD	AMD Ryzen Embedded 9000 Series Processors	unaffected
CNA	AMD	AMD EPYC Embedded 8004 Series Processors	unaffected
CNA	AMD	AMD EPYC Embedded 9005 Series Processors	unaffected
CNA	AMD	AMD EPYC Embedded 4005 Series Processors	unaffected
CNA	AMD	AMD EPYC Embedded 4004 Series Processors	unaffected
CNA	AMD	AMD EPYC 4004 Series Processors	unaffected
CNA	AMD	AMD EPYC 4005 Series Processors	unaffected

## References

Reference	Source	Link	Tags
<a href="http://www.amd.com/en/resources/product-security/bulletin/AMD-SB-3047.html">www.amd.com/en/resources/product-security/bulletin/AMD-SB-3047.html</a>	psirt@amd.com	<a href="http://www.amd.com">www.amd.com</a>	
<a href="http://www.amd.com/en/resources/product-security/bulletin/AMD-SB-4015.html">www.amd.com/en/resources/product-security/bulletin/AMD-SB-4015.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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