



CVE-2025-48521

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2025-48521
State	PUBLISHED
Assigner	AMD
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-15 02:16:23 UTC
Updated	2026-05-15 02:16:23 UTC
Description	Improper input validation in the AMD Secure Processor (ASP) PCI driver could allow a local attacker to trigger a Use-After-

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:H/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-416 | CWE-416 CWE-416 Use After Free

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:H/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:H/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

High

High

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:H/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

Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	AMD	AMD Ryzen 4000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Renoir	unaffected AI
CNA	AMD	AMD Ryzen 7035 Series Processors With Radeon Graphics Formerly Codenamed Rembrandt R	unaffected AI
CNA	AMD	AMD Athlon 3000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Picasso	unaffected AI
CNA	AMD	AMD Ryzen 7040 Series Mobile Processors With Radeon Graphics Formerly Codenamed Phoenix	unaffected AI
CNA	AMD	AMD Ryzen 7020 Series Processors With Radeon Graphics Formerly Codenamed Mendocino	unaffected AI
CNA	AMD	AMD Ryzen 7045 Series Mobile Processors With Radeon Graphics Formerly Codenamed Dragon Range	unaffected AI
CNA	AMD	AMD Ryzen 7000 Series Desktop Processors Formerly Codenamed Raphael/Raphael X3D	unaffected AI
CNA	AMD	AMD Ryzen 3000 Series Desktop Processors Formerly Codenamed Matisse	unaffected AI
CNA	AMD	AMD Ryzen Threadripper PRO 3000WX Processors Formerly Codenamed Castle Peak	unaffected AI
CNA	AMD	AMD Ryzen 7030 Series Mobile Processors With Radeon Graphics Formerly Codenamed Barcelo R	unaffected AI
CNA	AMD	AMD Ryzen Threadripper PRO 3000WX Processors Formerly Codenamed Castle Peak	unaffected AI
CNA	AMD	AMD Ryzen Threadripper 3000 Processors Formerly Codenamed Castle Peak	unaffected AI
CNA	AMD	AMD Ryzen AI 300 Series Processors Formerly Codenamed Strix Point	unaffected AI
CNA	AMD	AMD Athlon 3000 Series Desktop Processors With Radeon Graphics Formerly Codenamed Picasso	unaffected AI
CNA	AMD	AMD Ryzen Threadripper PRO 5000 WX-Series Processors Formerly Codenamed Chagall	unaffected AI
CNA	AMD	AMD Ryzen Threadripper 7000 Processors Formerly Codenamed Storm Peak	unaffected AI
CNA	AMD	AMD Ryzen Threadripper PRO 7000 WX-Series Processors Formerly Codenamed Storm Peak	unaffected AI
CNA	AMD	AMD Ryzen 7000 Series Desktop Processors Formerly Codenamed Raphael/Raphael-X3D	unaffected AI
CNA	AMD	AMD Ryzen 8000 Series Desktop Processors Formerly Codenamed Phoenix	unaffected AI
CNA	AMD	AMD Ryzen 8000 Series Desktop Processors Formerly Codenamed Phoenix	unaffected AI
CNA	AMD	AMD Ryzen 9000 Series Desktop Processors Formerly Codenamed Granite Ridge	unaffected AI
CNA	AMD	AMD Ryzen 5000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Cezanne	unaffected AI
CNA	AMD	AMD Ryzen 5000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Lucienne	unaffected AI

CNA	AMD	AMD Ryzen 5000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Barcelo	unaffected AI
CNA	AMD	AMD Ryzen 4000 Series Desktop Processors Formerly Codenamed Renoir	unaffected AI
CNA	AMD	AMD Ryzen 5000 Series Desktop Processors Formerly Codenamed Vermeer	unaffected AI
CNA	AMD	AMD Ryzen 5000 Series Desktop Processors With Radeon Graphics Formerly Codenamed Cezanne	unaffected AI
CNA	AMD	AMD Ryzen 3000 Series Desktop Processors Formerly Codenamed Matisse	unaffected AI
CNA	AMD	AMD Ryzen 5000 Series Desktop Processors Formerly Codenamed Vermeer/Vermeer-X3D	unaffected AI
CNA	AMD	AMD Ryzen 8040 Series Mobile Processors With Radeon Graphics Formerly Codenamed Hawk Point	unaffected AI
CNA	AMD	AMD Ryzen 3000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Dali	unaffected AI
CNA	AMD	AMD Athlon 3000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Dali	unaffected AI
CNA	AMD	AMD Athlon 3000 Series Mobile Processors With Radeon Graphics Formerly Codenamed Pollock	unaffected AI
CNA	AMD	AMD Ryzen 6000 Series Processors With Radeon Graphics Formerly Codenamed Rembrandt	unaffected AI
CNA	AMD	AMD Ryzen Embedded V1000 Series Processors Formerly Codenamed Picasso	unaffected 25
CNA	AMD	AMD Ryzen Embedded R1000 Series Processors	unaffected 25
CNA	AMD	AMD Ryzen Embedded R2000 Series Processors	unaffected Q
CNA	AMD	AMD Ryzen Embedded V2000 Series Processors	unaffected Q
CNA	AMD	AMD EPYC Embedded 4004 Series Processors	unaffected AI
CNA	AMD	AMD EPYC Embedded 8004 Series Processors	unaffected Q
CNA	AMD	AMD EPYC Embedded 4005 Series Processors	unaffected AI
CNA	AMD	AMD Ryzen Embedded 8000 Series Processors	unaffected Q
CNA	AMD	AMD Ryzen Embedded 7000 Series Processors	unaffected Q
CNA	AMD	AMD EPYC Embedded 9000 Series Processors	unaffected Q
CNA	AMD	AMD Ryzen Embedded 9000 Series Processors	unaffected Q
CNA	AMD	AMD EPYC 4004 Series Processors	unaffected AI
CNA	AMD	AMD EPYC 4005 Series Processors	unaffected AI

References

Reference	Source	Link	Tags
www.amd.com/en/resources/product-security/bulletin/AMD-SB-3047.html	psirt@amd.com	www.amd.com	
www.amd.com/en/resources/product-security/bulletin/AMD-SB-4015.html	psirt@amd.com	www.amd.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Reported through AMD Bug Bounty Program (en)

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

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