



CVE-2021-46765

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

CVE	CVE-2021-46765
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-05-09 20:15:00 UTC
Updated	2023-05-22 15:39:00 UTC
Description	Insufficient input validation in ASP may allow an attacker with a compromised SMM to induce out-of-bounds memory reads

Risk And Classification

Problem Types: CWE-125

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Ryzen 3100	-	All	All	All
Operating System	Amd	Ryzen 3100 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3100 Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3300x	-	All	All	All
Operating System	Amd	Ryzen 3300x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3300x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3500	-	All	All	All
Hardware	Amd	Ryzen 3500x	-	All	All	All
Operating System	Amd	Ryzen 3500x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3500x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3500 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3500 Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3600	-	All	All	All
Hardware	Amd	Ryzen 3600x	-	All	All	All
Hardware	Amd	Ryzen 3600xt	-	All	All	All
Operating System	Amd	Ryzen 3600xt Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3600xt Firmware	renoirpi-fp6_1.0.0.9	All	All	All

Operating System	Amd	Ryzen 3600x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3600x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3600 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3600 Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3800x	-	All	All	All
Hardware	Amd	Ryzen 3800xt	-	All	All	All
Operating System	Amd	Ryzen 3800xt Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3800xt Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3800x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3800x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3900	-	All	All	All
Hardware	Amd	Ryzen 3900x	-	All	All	All
Hardware	Amd	Ryzen 3900xt	-	All	All	All
Operating System	Amd	Ryzen 3900xt Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3900xt Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3900x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3900x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3900 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3900 Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3950x	-	All	All	All
Operating System	Amd	Ryzen 3950x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 3950x Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 5300g	-	All	All	All
Hardware	Amd	Ryzen 5300ge	-	All	All	All
Operating System	Amd	Ryzen 5300ge Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5300ge Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5300g Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5300g Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5500	-	All	All	All
Operating System	Amd	Ryzen 5500 Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5500 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5600	-	All	All	All
Hardware	Amd	Ryzen 5600g	-	All	All	All
Hardware	Amd	Ryzen 5600ge	-	All	All	All
Operating System	Amd	Ryzen 5600ge Firmware	cezannepi-fp6_1.0.0.b	All	All	All

Operating System	Amd	Ryzen 5600ge Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5600g Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5600g Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5600x	-	All	All	All
Operating System	Amd	Ryzen 5600x Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5600x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5600 Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5600 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5700g	-	All	All	All
Hardware	Amd	Ryzen 5700ge	-	All	All	All
Operating System	Amd	Ryzen 5700ge Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5700ge Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5700g Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5700g Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5700x	-	All	All	All
Operating System	Amd	Ryzen 5700x Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5700x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5800	-	All	All	All
Hardware	Amd	Ryzen 5800x	-	All	All	All
Hardware	Amd	Ryzen 5800x3d	-	All	All	All
Operating System	Amd	Ryzen 5800x3d Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5800x3d Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5800x Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5800x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5800 Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5800 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5900	-	All	All	All
Hardware	Amd	Ryzen 5900x	-	All	All	All
Operating System	Amd	Ryzen 5900x Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5900x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5900 Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5900 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5945wx	-	All	All	All
Operating System	Amd	Ryzen 5945wx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5945wx Firmware	comboam4v2_pi_1.2.0.8	All	All	All

Hardware	Amd	Hyzen 5950x	-	All	All	All
Operating System	Amd	Ryzen 5950x Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5950x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5955wx	-	All	All	All
Operating System	Amd	Ryzen 5955wx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5955wx Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5965wx	-	All	All	All
Operating System	Amd	Ryzen 5965wx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5965wx Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5975wx	-	All	All	All
Operating System	Amd	Ryzen 5975wx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5975wx Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5995wx	-	All	All	All
Operating System	Amd	Ryzen 5995wx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5995wx Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 6600h	-	All	All	All
Hardware	Amd	Ryzen 6600hs	-	All	All	All
Operating System	Amd	Ryzen 6600hs Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Operating System	Amd	Ryzen 6600h Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6600u	-	All	All	All
Operating System	Amd	Ryzen 6600u Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6800h	-	All	All	All
Hardware	Amd	Ryzen 6800hs	-	All	All	All
Operating System	Amd	Ryzen 6800hs Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Operating System	Amd	Ryzen 6800h Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6800u	-	All	All	All
Operating System	Amd	Ryzen 6800u Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6900hs	-	All	All	All
Operating System	Amd	Ryzen 6900hs Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6900hx	-	All	All	All
Operating System	Amd	Ryzen 6900hx Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6980hs	-	All	All	All
Operating System	Amd	Ryzen 6980hs Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 6980hx	-	All	All	All
Operating System	Amd	Ryzen 6980hx Firmware	rembrandtpi-fp7_1.0.0.5	All	All	All

References

Reference	Source	Link	Tags
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-4001	MISC	www.amd.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	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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