



CVE-2022-23820

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

Summary

CVE	CVE-2022-23820
State	RESERVED
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-11-14 19:15:00 UTC
Updated	2023-12-01 18:26:00 UTC
Description	** RESERVED ** This candidate has been reserved by an organization or individual that will use it when announcing a new

Risk And Classification

Problem Types: CWE-20

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Athlon 3015ce	-	All	All	All
Operating System	Amd	Athlon 3015ce Firmware	pollockpi-ft5_1.0.0.5	All	All	All
Hardware	Amd	Athlon 3015e	-	All	All	All
Operating System	Amd	Athlon 3015e Firmware	pollockpi-ft5_1.0.0.5	All	All	All
Hardware	Amd	Ryzen 3 3100	-	All	All	All
Operating System	Amd	Ryzen 3 3100 Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3 3100 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 3 3300u	-	All	All	All
Operating System	Amd	Ryzen 3 3300u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 3 3300x	-	All	All	All
Operating System	Amd	Ryzen 3 3300x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 3 3300x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 3 3350u	-	All	All	All
Operating System	Amd	Ryzen 3 3350u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 3 4300u	-	All	All	All
Operating System	Amd	Ryzen 3 4300u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 3 5100	-	All	All	All

Operating System	Amd	Ryzen 3 5100 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 3 5125c	-	All	All	All
Operating System	Amd	Ryzen 3 5125c Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 3 5400u	-	All	All	All
Operating System	Amd	Ryzen 3 5400u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 3 5425u	-	All	All	All
Operating System	Amd	Ryzen 3 5425u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 3 7335u	-	All	All	All
Operating System	Amd	Ryzen 3 7335u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 5 3450u	-	All	All	All
Operating System	Amd	Ryzen 5 3450u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 5 3500	-	All	All	All
Hardware	Amd	Ryzen 5 3500c	-	All	All	All
Operating System	Amd	Ryzen 5 3500c Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 5 3500u	-	All	All	All
Operating System	Amd	Ryzen 5 3500u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 5 3500x	-	All	All	All
Operating System	Amd	Ryzen 5 3500x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 3500x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 3500 Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 3500 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 3550h	-	All	All	All
Operating System	Amd	Ryzen 5 3550h Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 5 3580u	-	All	All	All
Operating System	Amd	Ryzen 5 3580u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 5 3600	-	All	All	All
Hardware	Amd	Ryzen 5 3600x	-	All	All	All
Hardware	Amd	Ryzen 5 3600xt	-	All	All	All
Operating System	Amd	Ryzen 5 3600xt Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 3600xt Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 3600x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 3600x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 3600 Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 3600 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 4500u	-	All	All	All

Operating System	Amd	Ryzen 5 4500u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 5 4600h	-	All	All	All
Hardware	Amd	Ryzen 5 4600hs	-	All	All	All
Operating System	Amd	Ryzen 5 4600hs Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 4600h Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 5 4600u	-	All	All	All
Operating System	Amd	Ryzen 5 4600u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 5 4680u	-	All	All	All
Operating System	Amd	Ryzen 5 4680u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 5 5500	-	All	All	All
Operating System	Amd	Ryzen 5 55003xd Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 5500h	-	All	All	All
Operating System	Amd	Ryzen 5 5500h Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5 5500x Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 5500 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 5560u	-	All	All	All
Operating System	Amd	Ryzen 5 5560u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 5 5600	-	All	All	All
Hardware	Amd	Ryzen 5 56003xd	-	All	All	All
Operating System	Amd	Ryzen 5 56003xd Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 5600h	-	All	All	All
Hardware	Amd	Ryzen 5 5600hs	-	All	All	All
Operating System	Amd	Ryzen 5 5600hs Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 5 5600h Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 5 5600u	-	All	All	All
Operating System	Amd	Ryzen 5 5600u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 5 5600x	-	All	All	All
Operating System	Amd	Ryzen 5 5600x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 5600 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 5625u	-	All	All	All
Operating System	Amd	Ryzen 5 5625u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 5 6600h	-	All	All	All
Hardware	Amd	Ryzen 5 6600hs	-	All	All	All
Operating System	Amd	Ryzen 5 6600hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Operating System	Amd	Ryzen 5 6600h Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All

Hardware	Amd	Ryzen 5 6600u	-	All	All	All
Operating System	Amd	Ryzen 5 6600u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 5 7535hs	-	All	All	All
Operating System	Amd	Ryzen 5 7535hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 5 7535u	-	All	All	All
Operating System	Amd	Ryzen 5 7535u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 5 Pro 3350g	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 3350ge	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 3350ge Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 Pro 3350ge Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 Pro 3350g Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 Pro 3350g Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 Pro 3400g	-	All	All	All
Hardware	Amd	Ryzen 5 Pro 3400ge	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 3400ge Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 Pro 3400ge Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 5 Pro 3400g Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 5 Pro 3400g Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 5 Pro 5645	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 5645 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 7 3700c	-	All	All	All
Operating System	Amd	Ryzen 7 3700c Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 7 3700u	-	All	All	All
Operating System	Amd	Ryzen 7 3700u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 7 3700x	-	All	All	All
Operating System	Amd	Ryzen 7 3700x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 7 3700x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 7 3750h	-	All	All	All
Operating System	Amd	Ryzen 7 3750h Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 7 3780u	-	All	All	All
Operating System	Amd	Ryzen 7 3780u Firmware	picassopi-fp5_1.0.0.e	All	All	All
Hardware	Amd	Ryzen 7 3800x	-	All	All	All
Hardware	Amd	Ryzen 7 3800xt	-	All	All	All
Operating System	Amd	Ryzen 7 3800xt Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 7 3800xt Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 7 3800x Firmware	comboam4_pi_1.0.0.9	All	All	All

Operating System	Amd	Ryzen 7 3800x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 7 4700u	-	All	All	All
Operating System	Amd	Ryzen 7 4700u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 7 4800h	-	All	All	All
Hardware	Amd	Ryzen 7 4800hs	-	All	All	All
Operating System	Amd	Ryzen 7 4800hs Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 7 4800h Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 7 4800u	-	All	All	All
Operating System	Amd	Ryzen 7 4800u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 7 4980u	-	All	All	All
Operating System	Amd	Ryzen 7 4980u Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 7 5700	-	All	All	All
Hardware	Amd	Ryzen 7 5700x	-	All	All	All
Operating System	Amd	Ryzen 7 5700x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 7 5700 Firmware	comboam4v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 7 5800	-	All	All	All
Hardware	Amd	Ryzen 7 5800h	-	All	All	All
Hardware	Amd	Ryzen 7 5800hs	-	All	All	All
Operating System	Amd	Ryzen 7 5800hs Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Operating System	Amd	Ryzen 7 5800h Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 7 5800u	-	All	All	All
Operating System	Amd	Ryzen 7 5800u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 7 5800x	-	All	All	All
Operating System	Amd	Ryzen 7 5800x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 7 5800 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 7 5825u	-	All	All	All
Operating System	Amd	Ryzen 7 5825u Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 7 6800h	-	All	All	All
Hardware	Amd	Ryzen 7 6800hs	-	All	All	All
Operating System	Amd	Ryzen 7 6800hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Operating System	Amd	Ryzen 7 6800h Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 7 6800u	-	All	All	All
Operating System	Amd	Ryzen 7 6800u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 7 7735hs	-	All	All	All
Operating System	Amd	Ryzen 7 7735hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All

Hardware	Amd	Ryzen 7 7735u	-	All	All	All
Operating System	Amd	Ryzen 7 7735u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 7 7736u	-	All	All	All
Operating System	Amd	Ryzen 7 7736u Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 7 Pro 5845	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 5845 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 9 3900	-	All	All	All
Hardware	Amd	Ryzen 9 3900x	-	All	All	All
Hardware	Amd	Ryzen 9 3900xt	-	All	All	All
Operating System	Amd	Ryzen 9 3900xt Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 9 3900xt Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 9 3900x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 9 3900x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 9 3900 Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 9 3900 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 9 3950x	-	All	All	All
Operating System	Amd	Ryzen 9 3950x Firmware	comboam4_pi_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 9 3950x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 9 4900h	-	All	All	All
Hardware	Amd	Ryzen 9 4900hs	-	All	All	All
Operating System	Amd	Ryzen 9 4900hs Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Operating System	Amd	Ryzen 9 4900h Firmware	renoirpi-fp6_1.0.0.9	All	All	All
Hardware	Amd	Ryzen 9 5900	-	All	All	All
Hardware	Amd	Ryzen 9 5900hs	-	All	All	All
Operating System	Amd	Ryzen 9 5900hs Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 9 5900hx	-	All	All	All
Operating System	Amd	Ryzen 9 5900hx Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 9 5900x	-	All	All	All
Operating System	Amd	Ryzen 9 5900x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Operating System	Amd	Ryzen 9 5900 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 9 5950x	-	All	All	All
Operating System	Amd	Ryzen 9 5950x Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen 9 5980hs	-	All	All	All
Operating System	Amd	Ryzen 9 5980hs Firmware	cezannepi-fp6_1.0.0.b	All	All	All
Hardware	Amd	Ryzen 9 5980hx	-	All	All	All
Operating System	Amd	Ryzen 9 5980hx Firmware	cezannepi-fp6_1.0.0.b	All	All	All

Operating System	Amd	Ryzen 9 5980hx Firmware	cezannepi-rpb_1.0.0.0	All	All	All
Hardware	Amd	Ryzen 9 6900hs	-	All	All	All
Operating System	Amd	Ryzen 9 6900hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 9 6900hx	-	All	All	All
Operating System	Amd	Ryzen 9 6900hx Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 9 6980hs	-	All	All	All
Operating System	Amd	Ryzen 9 6980hs Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 9 6980hx	-	All	All	All
Operating System	Amd	Ryzen 9 6980hx Firmware	rembrandtpi-fp7_1.0.0.2	All	All	All
Hardware	Amd	Ryzen 9 Pro 5945	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 5945 Firmware	comboam4_v2_pi_1.2.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper 2920x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2920x Firmware	summitpi-sp3r2_1.1.0.6	All	All	All
Hardware	Amd	Ryzen Threadripper 2950x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2950x Firmware	summitpi-sp3r2_1.1.0.6	All	All	All
Hardware	Amd	Ryzen Threadripper 2970wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2970wx Firmware	summitpi-sp3r2_1.1.0.6	All	All	All
Hardware	Amd	Ryzen Threadripper 2990wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper 2990wx Firmware	summitpi-sp3r2_1.1.0.6	All	All	All
Hardware	Amd	Ryzen Threadripper 3960x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3960x Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper 3970x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3970x Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper 3990x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3990x Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3945wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3945wx Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3955wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3955wx Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3975wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3975wx Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3995wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3995wx Firmware	castlepeakpi-sp3r2_1.1.0.8	All	All	All

References

Reference	Source	Link	Tags
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www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3002		www.amd.com	
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-4002		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.

Legacy QID Mappings

[755378](#) SUSE Enterprise Linux Security Update for kernel-firmware (SUSE-SU-2023:4654-1)

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