



CVE-2023-20575

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

Summary

CVE	CVE-2023-20575
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-07-11 19:15:00 UTC
Updated	2023-07-19 18:32:00 UTC
Description	A potential power side-channel vulnerability in some AMD processors may allow an authenticated attacker to use the power

Risk And Classification

Problem Types: CWE-203

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Epyc 5552	-	All	All	All
Operating System	Amd	Epyc 5552 Firmware	-	All	All	All
Hardware	Amd	Epyc 7232p	-	All	All	All
Operating System	Amd	Epyc 7232p Firmware	-	All	All	All
Hardware	Amd	Epyc 7251	-	All	All	All
Operating System	Amd	Epyc 7251 Firmware	-	All	All	All
Hardware	Amd	Epyc 7252	-	All	All	All
Operating System	Amd	Epyc 7252 Firmware	-	All	All	All
Hardware	Amd	Epyc 7262	-	All	All	All
Operating System	Amd	Epyc 7262 Firmware	-	All	All	All
Hardware	Amd	Epyc 7272	-	All	All	All
Operating System	Amd	Epyc 7272 Firmware	-	All	All	All
Hardware	Amd	Epyc 7281	-	All	All	All
Operating System	Amd	Epyc 7281 Firmware	-	All	All	All
Hardware	Amd	Epyc 72f3	-	All	All	All
Operating System	Amd	Epyc 72f3 Firmware	-	All	All	All
Hardware	Amd	Epyc 7301	-	All	All	All

Operating System	Amd	Epyc 7301 Firmware	-	All	All	All
Hardware	Amd	Epyc 7302	-	All	All	All
Hardware	Amd	Epyc 7302p	-	All	All	All
Operating System	Amd	Epyc 7302p Firmware	-	All	All	All
Operating System	Amd	Epyc 7302 Firmware	-	All	All	All
Hardware	Amd	Epyc 7313	-	All	All	All
Hardware	Amd	Epyc 7313p	-	All	All	All
Operating System	Amd	Epyc 7313p Firmware	-	All	All	All
Operating System	Amd	Epyc 7313 Firmware	-	All	All	All
Hardware	Amd	Epyc 7343	-	All	All	All
Operating System	Amd	Epyc 7343 Firmware	-	All	All	All
Hardware	Amd	Epyc 7351	-	All	All	All
Hardware	Amd	Epyc 7351p	-	All	All	All
Operating System	Amd	Epyc 7351p Firmware	-	All	All	All
Operating System	Amd	Epyc 7351 Firmware	-	All	All	All
Hardware	Amd	Epyc 7352	-	All	All	All
Operating System	Amd	Epyc 7352 Firmware	-	All	All	All
Hardware	Amd	Epyc 7373x	-	All	All	All
Operating System	Amd	Epyc 7373x Firmware	-	All	All	All
Hardware	Amd	Epyc 73f3	-	All	All	All
Operating System	Amd	Epyc 73f3 Firmware	-	All	All	All
Hardware	Amd	Epyc 7401	-	All	All	All
Hardware	Amd	Epyc 7401p	-	All	All	All
Operating System	Amd	Epyc 7401p Firmware	-	All	All	All
Operating System	Amd	Epyc 7401 Firmware	-	All	All	All
Hardware	Amd	Epyc 7402	-	All	All	All
Hardware	Amd	Epyc 7402p	-	All	All	All
Operating System	Amd	Epyc 7402p Firmware	-	All	All	All
Operating System	Amd	Epyc 7402 Firmware	-	All	All	All
Hardware	Amd	Epyc 7413	-	All	All	All
Operating System	Amd	Epyc 7413 Firmware	-	All	All	All
Hardware	Amd	Epyc 7443	-	All	All	All
Hardware	Amd	Epyc 7443p	-	All	All	All
Operating System	Amd	Epyc 7443p Firmware	-	All	All	All
Operating System	Amd	Epyc 7443 Firmware	-	All	All	All

Hardware	Amd	Epyc 7451	-	All	All	All
Operating System	Amd	Epyc 7451 Firmware	-	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Operating System	Amd	Epyc 7452 Firmware	-	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	-	All	All	All
Hardware	Amd	Epyc 7473x	-	All	All	All
Operating System	Amd	Epyc 7473x Firmware	-	All	All	All
Hardware	Amd	Epyc 74f3	-	All	All	All
Operating System	Amd	Epyc 74f3 Firmware	-	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Operating System	Amd	Epyc 7501 Firmware	-	All	All	All
Hardware	Amd	Epyc 7502	-	All	All	All
Hardware	Amd	Epyc 7502p	-	All	All	All
Operating System	Amd	Epyc 7502p Firmware	-	All	All	All
Operating System	Amd	Epyc 7502 Firmware	-	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Operating System	Amd	Epyc 7513 Firmware	-	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Operating System	Amd	Epyc 7532 Firmware	-	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Operating System	Amd	Epyc 7542 Firmware	-	All	All	All
Hardware	Amd	Epyc 7543	-	All	All	All
Hardware	Amd	Epyc 7543p	-	All	All	All
Operating System	Amd	Epyc 7543p Firmware	-	All	All	All
Operating System	Amd	Epyc 7543 Firmware	-	All	All	All
Hardware	Amd	Epyc 7551	-	All	All	All
Hardware	Amd	Epyc 7551p	-	All	All	All
Operating System	Amd	Epyc 7551p Firmware	-	All	All	All
Operating System	Amd	Epyc 7551 Firmware	-	All	All	All
Hardware	Amd	Epyc 7573x	-	All	All	All
Operating System	Amd	Epyc 7573x Firmware	-	All	All	All
Hardware	Amd	Epyc 75f3	-	All	All	All
Operating System	Amd	Epyc 75f3 Firmware	-	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Operating System	Amd	Epyc 7601 Firmware	-	All	All	All

Operating System	Amd	Epyc /601 Firmware	-	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All
Operating System	Amd	Epyc 7642 Firmware	-	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Operating System	Amd	Epyc 7643 Firmware	-	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 Firmware	-	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Operating System	Amd	Epyc 7663 Firmware	-	All	All	All
Hardware	Amd	Epyc 7702	-	All	All	All
Hardware	Amd	Epyc 7702p	-	All	All	All
Operating System	Amd	Epyc 7702p Firmware	-	All	All	All
Operating System	Amd	Epyc 7702 Firmware	-	All	All	All
Hardware	Amd	Epyc 7713	-	All	All	All
Hardware	Amd	Epyc 7713p	-	All	All	All
Operating System	Amd	Epyc 7713p Firmware	-	All	All	All
Operating System	Amd	Epyc 7713 Firmware	-	All	All	All
Hardware	Amd	Epyc 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	-	All	All	All
Hardware	Amd	Epyc 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	-	All	All	All
Hardware	Amd	Epyc 7773x	-	All	All	All
Operating System	Amd	Epyc 7773x Firmware	-	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	-	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	-	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All
Operating System	Amd	Epyc 7f72 Firmware	-	All	All	All
Hardware	Amd	Epyc 9124	-	All	All	All
Operating System	Amd	Epyc 9124 Firmware	-	All	All	All
Hardware	Amd	Epyc 9174f	-	All	All	All
Operating System	Amd	Epyc 9174f Firmware	-	All	All	All
Hardware	Amd	Epyc 9184x	-	All	All	All
Operating System	Amd	Epyc 9184x Firmware	-	All	All	All
Hardware	Amd	Epyc 9224	-	All	All	All

Operating System	Amd	Epyc 9224 Firmware	-	All	All	All
Hardware	Amd	Epyc 9254	-	All	All	All
Operating System	Amd	Epyc 9254 Firmware	-	All	All	All
Hardware	Amd	Epyc 9274f	-	All	All	All
Operating System	Amd	Epyc 9274f Firmware	-	All	All	All
Hardware	Amd	Epyc 9334	-	All	All	All
Operating System	Amd	Epyc 9334 Firmware	-	All	All	All
Hardware	Amd	Epyc 9354	-	All	All	All
Hardware	Amd	Epyc 9354p	-	All	All	All
Operating System	Amd	Epyc 9354p Firmware	-	All	All	All
Operating System	Amd	Epyc 9354 Firmware	-	All	All	All
Hardware	Amd	Epyc 9374f	-	All	All	All
Operating System	Amd	Epyc 9374f Firmware	-	All	All	All
Hardware	Amd	Epyc 9384x	-	All	All	All
Operating System	Amd	Epyc 9384x Firmware	-	All	All	All
Hardware	Amd	Epyc 9454	-	All	All	All
Hardware	Amd	Epyc 9454p	-	All	All	All
Operating System	Amd	Epyc 9454p Firmware	-	All	All	All
Operating System	Amd	Epyc 9454 Firmware	-	All	All	All
Hardware	Amd	Epyc 9474f	-	All	All	All
Operating System	Amd	Epyc 9474f Firmware	-	All	All	All
Hardware	Amd	Epyc 9534	-	All	All	All
Operating System	Amd	Epyc 9534 Firmware	-	All	All	All
Hardware	Amd	Epyc 9554	-	All	All	All
Hardware	Amd	Epyc 9554p	-	All	All	All
Operating System	Amd	Epyc 9554p Firmware	-	All	All	All
Operating System	Amd	Epyc 9554 Firmware	-	All	All	All
Hardware	Amd	Epyc 9634	-	All	All	All
Operating System	Amd	Epyc 9634 Firmware	-	All	All	All
Hardware	Amd	Epyc 9654	-	All	All	All
Hardware	Amd	Epyc 9654p	-	All	All	All
Operating System	Amd	Epyc 9654p Firmware	-	All	All	All
Operating System	Amd	Epyc 9654 Firmware	-	All	All	All
Hardware	Amd	Epyc 9684x	-	All	All	All
Operating System	Amd	Epyc 9684x Firmware	-	All	All	All

Hardware	Amd	Epyc 9734	-	All	All	All
Operating System	Amd	Epyc 9734 Firmware	-	All	All	All
Hardware	Amd	Epyc 9754	-	All	All	All
Hardware	Amd	Epyc 9754s	-	All	All	All
Operating System	Amd	Epyc 9754s Firmware	-	All	All	All
Operating System	Amd	Epyc 9754 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3101	-	All	All	All
Operating System	Amd	Epyc Embedded 3101 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3151	-	All	All	All
Operating System	Amd	Epyc Embedded 3151 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3201	-	All	All	All
Operating System	Amd	Epyc Embedded 3201 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3251	-	All	All	All
Operating System	Amd	Epyc Embedded 3251 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3255	-	All	All	All
Operating System	Amd	Epyc Embedded 3255 Firmware	-	All	All	All
Hardware	Amd	Epyc Embedded 3451	-	All	All	All
Operating System	Amd	Epyc Embedded 3451 Firmware	-	All	All	All

References

Reference	Source	Link	Tags
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3004	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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