



CVE-2021-26356

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

Summary

CVE	CVE-2021-26356
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-05-09 19:15:00 UTC
Updated	2023-05-16 19:01:00 UTC
Description	A TOCTOU in ASP bootloader may allow an attacker to tamper with the SPI ROM following data read to memory potentially

Risk And Classification

Problem Types: CWE-367

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	Amd	Epyc 7001	-	All	All	All
Operating System	Amd	Epyc 7001 Firmware	All	All	All	All
Hardware	Amd	Epyc 7002	-	All	All	All
Operating System	Amd	Epyc 7002 Firmware	All	All	All	All
Hardware	Amd	Epyc 7232p	-	All	All	All
Operating System	Amd	Epyc 7232p Firmware	All	All	All	All
Hardware	Amd	Epyc 7251	-	All	All	All
Operating System	Amd	Epyc 7251 Firmware	All	All	All	All
Hardware	Amd	Epyc 7252	-	All	All	All
Operating System	Amd	Epyc 7252 Firmware	All	All	All	All
Hardware	Amd	Epyc 7261	-	All	All	All
Operating System	Amd	Epyc 7261 Firmware	All	All	All	All
Hardware	Amd	Epyc 7262	-	All	All	All
Operating System	Amd	Epyc 7262 Firmware	All	All	All	All
Hardware	Amd	Epyc 7272	-	All	All	All
Operating System	Amd	Epyc 7272 Firmware	All	All	All	All
Hardware	Amd	Epyc 7281	-	All	All	All

Operating System	Amd	Epyc 7281 Firmware	All	All	All	All
Hardware	Amd	Epyc 7282	-	All	All	All
Operating System	Amd	Epyc 7282 Firmware	All	All	All	All
Hardware	Amd	Epyc 72f3	-	All	All	All
Operating System	Amd	Epyc 72f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7301	-	All	All	All
Operating System	Amd	Epyc 7301 Firmware	All	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	All
Operating System	Amd	Epyc 7302 Firmware	All	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	All
Operating System	Amd	Epyc 7313 Firmware	All	All	All	All
Hardware	Amd	Epyc 7343	-	All	All	All
Operating System	Amd	Epyc 7343 Firmware	All	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	All
Operating System	Amd	Epyc 7351 Firmware	All	All	All	All
Hardware	Amd	Epyc 7352	-	All	All	All
Operating System	Amd	Epyc 7352 Firmware	All	All	All	All
Hardware	Amd	Epyc 7371	-	All	All	All
Operating System	Amd	Epyc 7371 Firmware	All	All	All	All
Hardware	Amd	Epyc 7373x	-	All	All	All
Operating System	Amd	Epyc 7373x Firmware	All	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	All
Operating System	Amd	Epyc 7401 Firmware	All	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	All
Operating System	Amd	Epyc 7402 Firmware	All	All	All	All

Hardware	Amd	Epyc 7413	-	All	All	All
Operating System	Amd	Epyc 7413 Firmware	All	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	All
Operating System	Amd	Epyc 7443 Firmware	All	All	All	All
Hardware	Amd	Epyc 7451	-	All	All	All
Operating System	Amd	Epyc 7451 Firmware	All	All	All	All
Hardware	Amd	Epyc 7452	-	All	All	All
Operating System	Amd	Epyc 7452 Firmware	All	All	All	All
Hardware	Amd	Epyc 7453	-	All	All	All
Operating System	Amd	Epyc 7453 Firmware	All	All	All	All
Hardware	Amd	Epyc 7473x	-	All	All	All
Operating System	Amd	Epyc 7473x Firmware	All	All	All	All
Hardware	Amd	Epyc 74f3	-	All	All	All
Operating System	Amd	Epyc 74f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7501	-	All	All	All
Operating System	Amd	Epyc 7501 Firmware	All	All	All	All
Hardware	Amd	Epyc 7502	-	All	All	All
Operating System	Amd	Epyc 7502 Firmware	All	All	All	All
Hardware	Amd	Epyc 7513	-	All	All	All
Operating System	Amd	Epyc 7513 Firmware	All	All	All	All
Hardware	Amd	Epyc 7532	-	All	All	All
Operating System	Amd	Epyc 7532 Firmware	All	All	All	All
Hardware	Amd	Epyc 7542	-	All	All	All
Operating System	Amd	Epyc 7542 Firmware	All	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	All
Operating System	Amd	Epyc 7543 Firmware	All	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	All
Operating System	Amd	Epyc 7551 Firmware	All	All	All	All
Hardware	Amd	Epyc 7552	-	All	All	All

Operating System	Amd	Epyc /552 Firmware	All	All	All	All
Hardware	Amd	Epyc 7573x	-	All	All	All
Operating System	Amd	Epyc 7573x Firmware	All	All	All	All
Hardware	Amd	Epyc 75f3	-	All	All	All
Operating System	Amd	Epyc 75f3 Firmware	All	All	All	All
Hardware	Amd	Epyc 7601	-	All	All	All
Operating System	Amd	Epyc 7601 Firmware	All	All	All	All
Hardware	Amd	Epyc 7642	-	All	All	All
Operating System	Amd	Epyc 7642 Firmware	All	All	All	All
Hardware	Amd	Epyc 7643	-	All	All	All
Operating System	Amd	Epyc 7643 Firmware	All	All	All	All
Hardware	Amd	Epyc 7662	-	All	All	All
Operating System	Amd	Epyc 7662 Firmware	All	All	All	All
Hardware	Amd	Epyc 7663	-	All	All	All
Operating System	Amd	Epyc 7663 Firmware	All	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	All
Operating System	Amd	Epyc 7702 Firmware	All	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	All
Operating System	Amd	Epyc 7713 Firmware	All	All	All	All
Hardware	Amd	Epyc 7742	-	All	All	All
Operating System	Amd	Epyc 7742 Firmware	All	All	All	All
Hardware	Amd	Epyc 7763	-	All	All	All
Operating System	Amd	Epyc 7763 Firmware	All	All	All	All
Hardware	Amd	Epyc 7773x	-	All	All	All
Operating System	Amd	Epyc 7773x Firmware	All	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	All	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	All	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All
Operating System	Amd	Epyc 7f72 Firmware	All	All	All	All
Hardware	Amd	Epyc 7h12	-	All	All	All

Operating System	Amd	Epyc 7h12 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 3100	-	All	All	All
Operating System	Amd	Ryzen 3 3100 Firmware	-	All	All	All
Hardware	Amd	Ryzen 3 3300x	-	All	All	All
Operating System	Amd	Ryzen 3 3300x Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 3500	-	All	All	All
Hardware	Amd	Ryzen 5 3500x	-	All	All	All
Operating System	Amd	Ryzen 5 3500x Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 3500 Firmware	-	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	-	All	All	All
Operating System	Amd	Ryzen 5 3600x Firmware	-	All	All	All
Operating System	Amd	Ryzen 5 3600 Firmware	-	All	All	All
Hardware	Amd	Ryzen 5 5500	-	All	All	All
Operating System	Amd	Ryzen 5 5500 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600	-	All	All	All
Hardware	Amd	Ryzen 5 5600x	-	All	All	All
Operating System	Amd	Ryzen 5 5600x Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5600 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3700xt	-	All	All	All
Operating System	Amd	Ryzen 7 3700xt Firmware	-	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	-	All	All	All
Operating System	Amd	Ryzen 7 3800x Firmware	-	All	All	All
Hardware	Amd	Ryzen 7 5700x	-	All	All	All
Operating System	Amd	Ryzen 7 5700x Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5800	-	All	All	All
Hardware	Amd	Ryzen 7 5800x	-	All	All	All
Hardware	Amd	Ryzen 7 5800x3d	-	All	All	All
Operating System	Amd	Ryzen 7 5800x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5800x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5800 Firmware	All	All	All	All

Hardware	Amd	Ryzen 9 3900	-	All	All	All
Hardware	Amd	Ryzen 9 3900x	-	All	All	All
Operating System	Amd	Ryzen 9 3900x Firmware	-	All	All	All
Operating System	Amd	Ryzen 9 3900 Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 3950x	-	All	All	All
Hardware	Amd	Ryzen 9 3950xt	-	All	All	All
Operating System	Amd	Ryzen 9 3950xt Firmware	-	All	All	All
Operating System	Amd	Ryzen 9 3950x Firmware	-	All	All	All
Hardware	Amd	Ryzen 9 5900	-	All	All	All
Hardware	Amd	Ryzen 9 5900x	-	All	All	All
Operating System	Amd	Ryzen 9 5900x Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 5900 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5950x	-	All	All	All
Operating System	Amd	Ryzen 9 5950x Firmware	All	All	All	All
Hardware	Amd	Ryzen Threadripper 3960x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3960x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 3970x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3970x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper 3990x	-	All	All	All
Operating System	Amd	Ryzen Threadripper 3990x Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3945wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3945wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3955wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3955wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3975wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3975wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 3995wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 3995wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5945wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5945wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5955wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5955wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5965wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5965wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5975wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5975wx Firmware	-	All	All	All

Operating System	Amd	Ryzen Threadripper Pro 5975wx Firmware	-	All	All	All
Hardware	Amd	Ryzen Threadripper Pro 5995wx	-	All	All	All
Operating System	Amd	Ryzen Threadripper Pro 5995wx Firmware	-	All	All	All

References

Reference	Source	Link	Tags
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3001	MISC	www.amd.com	
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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