



CVE-2023-20555

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Summary

CVE	CVE-2023-20555
State	PUBLIC
Assigner	psirt@amd.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-08-08 18:15:00 UTC
Updated	2023-08-21 16:56:00 UTC
Description	Insufficient input validation in CpmDisplayFeatureSmm may allow an attacker to corrupt SMM memory by overwriting an ar

Risk And Classification

Problem Types: CWE-787

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	All	All	All	All
Hardware	Amd	Athlon 3015e	-	All	All	All
Operating System	Amd	Athlon 3015e Firmware	All	All	All	All
Hardware	Amd	Athlon Gold 3150c	-	All	All	All
Operating System	Amd	Athlon Gold 3150c Firmware	All	All	All	All
Hardware	Amd	Athlon Gold 3150g	-	All	All	All
Hardware	Amd	Athlon Gold 3150ge	-	All	All	All
Operating System	Amd	Athlon Gold 3150ge Firmware	All	All	All	All
Operating System	Amd	Athlon Gold 3150g Firmware	All	All	All	All
Hardware	Amd	Athlon Gold 3150u	-	All	All	All
Operating System	Amd	Athlon Gold 3150u Firmware	All	All	All	All
Hardware	Amd	Athlon Gold Pro 3150g	-	All	All	All
Hardware	Amd	Athlon Gold Pro 3150ge	-	All	All	All
Operating System	Amd	Athlon Gold Pro 3150ge Firmware	All	All	All	All
Operating System	Amd	Athlon Gold Pro 3150g Firmware	All	All	All	All
Hardware	Amd	Athlon Pro 300ge	-	All	All	All

Operating System	Amd	Athlon Pro 300ge Firmware	All	All	All	All
Hardware	Amd	Athlon Pro 3045b	-	All	All	All
Operating System	Amd	Athlon Pro 3045b Firmware	All	All	All	All
Hardware	Amd	Athlon Pro 3145b	-	All	All	All
Operating System	Amd	Athlon Pro 3145b Firmware	All	All	All	All
Hardware	Amd	Athlon Silver 3050c	-	All	All	All
Operating System	Amd	Athlon Silver 3050c Firmware	All	All	All	All
Hardware	Amd	Athlon Silver 3050e	-	All	All	All
Operating System	Amd	Athlon Silver 3050e Firmware	All	All	All	All
Hardware	Amd	Athlon Silver 3050u	-	All	All	All
Operating System	Amd	Athlon Silver 3050u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 3300	-	All	All	All
Hardware	Amd	Ryzen 3 3300u	-	All	All	All
Operating System	Amd	Ryzen 3 3300u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 3300x	-	All	All	All
Operating System	Amd	Ryzen 3 3300x Firmware	All	All	All	All
Operating System	Amd	Ryzen 3 3300 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 3350u	-	All	All	All
Operating System	Amd	Ryzen 3 3350u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 4100	-	All	All	All
Operating System	Amd	Ryzen 3 4100 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 4300u	-	All	All	All
Operating System	Amd	Ryzen 3 4300u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5100	-	All	All	All
Operating System	Amd	Ryzen 3 5100 Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5125c	-	All	All	All
Operating System	Amd	Ryzen 3 5125c Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5300g	-	All	All	All
Hardware	Amd	Ryzen 3 5300ge	-	All	All	All
Operating System	Amd	Ryzen 3 5300ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 3 5300g Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5300u	-	All	All	All
Operating System	Amd	Ryzen 3 5300u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 5400u	-	All	All	All
Operating System	Amd	Ryzen 3 5400u Firmware	All	All	All	All

Hardware	Amd	Ryzen 3 5425u	-	All	All	All
Operating System	Amd	Ryzen 3 5425u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 7320u	-	All	All	All
Operating System	Amd	Ryzen 3 7320u Firmware	All	All	All	All
Hardware	Amd	Ryzen 3 Pro 7330u	-	All	All	All
Operating System	Amd	Ryzen 3 Pro 7330u Firmware	All	All	All	All
Hardware	Amd	Ryzen 4700s	-	All	All	All
Operating System	Amd	Ryzen 4700s Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3450u	-	All	All	All
Operating System	Amd	Ryzen 5 3450u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3500c	-	All	All	All
Operating System	Amd	Ryzen 5 3500c Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3500u	-	All	All	All
Operating System	Amd	Ryzen 5 3500u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3550h	-	All	All	All
Operating System	Amd	Ryzen 5 3550h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3580u	-	All	All	All
Operating System	Amd	Ryzen 5 3580u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 3600	-	All	All	All
Hardware	Amd	Ryzen 5 3600x	-	All	All	All
Operating System	Amd	Ryzen 5 3600x Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 3600 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 4500	-	All	All	All
Hardware	Amd	Ryzen 5 4500u	-	All	All	All
Operating System	Amd	Ryzen 5 4500u Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 4500 Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 5 4600h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 4600u	-	All	All	All
Operating System	Amd	Ryzen 5 4600u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 4680u	-	All	All	All
Operating System	Amd	Ryzen 5 4680u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5500	-	All	All	All
Hardware	Amd	Ryzen 5 5500c	-	All	All	All

Hardware	Amd	Ryzen 5 5500u	-	All	All	All
Operating System	Amd	Ryzen 5 5500u Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5500 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5560u	-	All	All	All
Operating System	Amd	Ryzen 5 5560u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600	-	All	All	All
Hardware	Amd	Ryzen 5 5600g	-	All	All	All
Hardware	Amd	Ryzen 5 5600ge	-	All	All	All
Operating System	Amd	Ryzen 5 5600ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 5 5600g Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 5 5600h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600u	-	All	All	All
Operating System	Amd	Ryzen 5 5600u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 5600x	-	All	All	All
Hardware	Amd	Ryzen 5 5600x3d	-	All	All	All
Operating System	Amd	Ryzen 5 5600x3d Firmware	All	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 5 5625u	-	All	All	All
Operating System	Amd	Ryzen 5 5625u Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 5 6600h Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 6600u	-	All	All	All
Operating System	Amd	Ryzen 5 6600u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7500f	-	All	All	All
Operating System	Amd	Ryzen 5 7500f Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7520u	-	All	All	All
Operating System	Amd	Ryzen 5 7520u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 7600	-	All	All	All
Hardware	Amd	Ryzen 5 7600x	-	All	All	All
Operating System	Amd	Ryzen 5 7600x Firmware	All	All	All	All

Operating System	Amd	Ryzen 5 7600 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 5645	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 5645 Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 7530u	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 7530u Firmware	All	All	All	All
Hardware	Amd	Ryzen 5 Pro 7645	-	All	All	All
Operating System	Amd	Ryzen 5 Pro 7645 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3700	-	All	All	All
Hardware	Amd	Ryzen 7 3700c	-	All	All	All
Operating System	Amd	Ryzen 7 3700c Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3700u	-	All	All	All
Operating System	Amd	Ryzen 7 3700u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3700x	-	All	All	All
Operating System	Amd	Ryzen 7 3700x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 3700 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3750h	-	All	All	All
Operating System	Amd	Ryzen 7 3750h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 3780u	-	All	All	All
Operating System	Amd	Ryzen 7 3780u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 4700u	-	All	All	All
Operating System	Amd	Ryzen 7 4700u Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 7 4800h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 4800u	-	All	All	All
Operating System	Amd	Ryzen 7 4800u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 4980u	-	All	All	All
Operating System	Amd	Ryzen 7 4980u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700	-	All	All	All
Hardware	Amd	Ryzen 7 5700g	-	All	All	All
Hardware	Amd	Ryzen 7 5700ge	-	All	All	All
Operating System	Amd	Ryzen 7 5700ge Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5700g Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700u	-	All	All	All

Operating System	Amd	Ryzen 7 5700u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5700x	-	All	All	All
Operating System	Amd	Ryzen 7 5700x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 5700 Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 7 5800h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 5800u	-	All	All	All
Operating System	Amd	Ryzen 7 5800u Firmware	All	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 7 5825u	-	All	All	All
Operating System	Amd	Ryzen 7 5825u Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 7 6800h Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 6800u	-	All	All	All
Operating System	Amd	Ryzen 7 6800u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7700	-	All	All	All
Hardware	Amd	Ryzen 7 7700x	-	All	All	All
Operating System	Amd	Ryzen 7 7700x Firmware	All	All	All	All
Operating System	Amd	Ryzen 7 7700 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 7800x3d	-	All	All	All
Operating System	Amd	Ryzen 7 7800x3d Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 5845	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 5845 Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 7730u	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 7730u Firmware	All	All	All	All
Hardware	Amd	Ryzen 7 Pro 7745	-	All	All	All
Operating System	Amd	Ryzen 7 Pro 7745 Firmware	All	All	All	All

Operating System	Amd	Ryzen 7 Pro / /45 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 3800x	-	All	All	All
Operating System	Amd	Ryzen 9 3800x Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 3850x	-	All	All	All
Operating System	Amd	Ryzen 9 3850x Firmware	All	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	All	All	All	All
Operating System	Amd	Ryzen 9 4900h Firmware	All	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	All	All	All	All
Hardware	Amd	Ryzen 9 5900hx	-	All	All	All
Operating System	Amd	Ryzen 9 5900hx Firmware	All	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 9 5980hs	-	All	All	All
Operating System	Amd	Ryzen 9 5980hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 5980hx	-	All	All	All
Operating System	Amd	Ryzen 9 5980hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6900hs	-	All	All	All
Operating System	Amd	Ryzen 9 6900hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6900hx	-	All	All	All
Operating System	Amd	Ryzen 9 6900hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6980hs	-	All	All	All
Operating System	Amd	Ryzen 9 6980hs Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 6980hx	-	All	All	All
Operating System	Amd	Ryzen 9 6980hx Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7900	-	All	All	All
Hardware	Amd	Ryzen 9 7900x	-	All	All	All
Hardware	Amd	Ryzen 9 7900x3d	-	All	All	All
Operating System	Amd	Ryzen 9 7900x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7900x Firmware	All	All	All	All

Operating System	Amd	Ryzen 9 7900 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 7950x	-	All	All	All
Hardware	Amd	Ryzen 9 7950x3d	-	All	All	All
Operating System	Amd	Ryzen 9 7950x3d Firmware	All	All	All	All
Operating System	Amd	Ryzen 9 7950x Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 Pro 5945	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 5945 Firmware	All	All	All	All
Hardware	Amd	Ryzen 9 Pro 7945	-	All	All	All
Operating System	Amd	Ryzen 9 Pro 7945 Firmware	All	All	All	All

References

Reference	Source	Link	Tags
www.amd.com/en/corporate/product-security/bulletin/AMD-SB-4003	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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