



# CVE-2022-29277

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

## Summary

<b>CVE</b>	CVE-2022-29277
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-11-15 22:15:00 UTC
<b>Updated</b>	2022-11-22 19:45:00 UTC
<b>Description</b>	Incorrect pointer checks within the the FwBlockServiceSmm driver can allow arbitrary RAM modifications During review of t

## Risk And Classification

**Problem Types:** CWE-787

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Amd</a>	<a href="#">Genoa</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Genoa Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Hygon 1</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Hygon 1 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Hygon 2</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Hygon 2 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Hygon 3</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Hygon 3 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Milan</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Milan</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Milan Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Milan Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Rome</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Rome</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Rome Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Rome Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5300g</a>	-	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5300ge</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5300ge Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5300g Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5600g</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5600ge</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5600ge Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5600g Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5600x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5600x Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5700g</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5700ge</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5700ge Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5700g Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5800x</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5800x3d</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5800x3d Firmware</a>	All	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5800x Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5900x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5900x Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Ryzen 5950x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Ryzen 5950x Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Snowy Owl R1000</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Snowy Owl R1000 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Snowy Owl R2000</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Snowy Owl R2000 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Snowy Owl V2000</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Snowy Owl V2000 Firmware</a>	All	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Snowy Owl V3000</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Snowy Owl V3000 Firmware</a>	All	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Alder Lake</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Alder Lake Firmware</a>	All	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Bakerville</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Bakerville Firmware</a>	All	All	All	All
Hardware	<a href="#">Intel</a>	<a href="#">Cedar Island</a>	-	All	All	All
Operating System	<a href="#">Intel</a>	<a href="#">Cedar Island Firmware</a>	All	All	All	All

Hardware	Intel	Comet Lake-s	-	All	All	All
Operating System	Intel	Comet Lake-s Firmware	All	All	All	All
Hardware	Intel	Denverton	-	All	All	All
Operating System	Intel	Denverton Firmware	All	All	All	All
Hardware	Intel	Eagle Stream	-	All	All	All
Operating System	Intel	Eagle Stream Firmware	All	All	All	All
Hardware	Intel	Grangeville De Ns	-	All	All	All
Operating System	Intel	Grangeville De Ns Firmware	All	All	All	All
Hardware	Intel	Granville De	-	All	All	All
Operating System	Intel	Granville De Firmware	All	All	All	All
Hardware	Intel	Greenlow	-	All	All	All
Hardware	Intel	Greenlow-r	-	All	All	All
Operating System	Intel	Greenlow-r Firmware	All	All	All	All
Operating System	Intel	Greenlow Firmware	All	All	All	All
Hardware	Intel	Idaville	-	All	All	All
Operating System	Intel	Idaville Firmware	All	All	All	All
Hardware	Intel	Mehlow	-	All	All	All
Hardware	Intel	Mehlow-r	-	All	All	All
Operating System	Intel	Mehlow-r Firmware	All	All	All	All
Operating System	Intel	Mehlow Firmware	All	All	All	All
Hardware	Intel	Purley-r	-	All	All	All
Operating System	Intel	Purley-r Firmware	All	All	All	All
Hardware	Intel	Tatlow	-	All	All	All
Operating System	Intel	Tatlow Firmware	All	All	All	All
Hardware	Intel	Tiger Lake H/up3	-	All	All	All
Operating System	Intel	Tiger Lake H/up3 Firmware	All	All	All	All
Hardware	Intel	Whiskey Lake	-	All	All	All
Operating System	Intel	Whiskey Lake Firmware	All	All	All	All
Hardware	Intel	Whitley	-	All	All	All
Operating System	Intel	Whitley Firmware	All	All	All	All

## References

Reference	Source	Link	Tags
Insyde Security Advisory 2022060   Insyde Software	MISC	<a href="http://www.insyde.com">www.insyde.com</a>	
Insyde's Security Pledge   Insyde Software	MISC	<a href="http://www.insyde.com">www.insyde.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical

NVD vulnerability detail

NVD

[nvd.nist.gov](https://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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