



CVE-2023-20530

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2023-20530 |
| State | PUBLIC |
| Assigner | psirt@amd.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2023-01-11 08:15:00 UTC |
| Updated | 2023-11-07 04:06:00 UTC |
| Description | Insufficient input validation of BIOS mailbox messages in SMU may result in out-of-bounds memory reads potentially resulti |

Risk And Classification

Problem Types: CWE-20

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|---------------------|-------------------------------------|---------|--------|---------|----------|
| Hardware | Amd | Epyc 7003 | - | All | All | All |
| Operating System | Amd | Epyc 7003 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 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 7373x | - | All | All | All |
| Operating System | Amd | Epyc 7373x Firmware | All | All | All | All |
| Hardware | Amd | Epyc 73f3 | - | All | All | All |
| Operating System | Amd | Epyc 73f3 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 7453 | - | All | All | All |
| Operating System | Amd | Epyc 7453 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 7513 | - | All | All | All |
| Operating System | Amd | Epyc 7513 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 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 7643 | - | All | All | All |
| Operating System | Amd | Epyc 7643 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 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 7743 | - | All | All | All |
| Operating System | Amd | Epyc 7743 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 |

References

| Reference | Source | Link | Tags |
|--|--------|--|------|
| www.amd.com/en/corporate/product-security/bulletin/AMD-SB-1032 | 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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