



CVE-2021-26337

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

Summary

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------|
| CVE | CVE-2021-26337 |
| State | PUBLIC |
| Assigner | psirt@amd.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2021-11-16 19:15:00 UTC |
| Updated | 2022-09-10 02:36:00 UTC |
| Description | Insufficient DRAM address validation in System Management Unit (SMU) may result in a DMA read from invalid DRAM add |

Risk And Classification

Problem Types: NVD-CWE-noinfo

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|---------------------|-------------------------------------|---------|--------|---------|----------|
| Hardware | Amd | Epyc 7002 | - | All | All | All |
| Operating System | Amd | Epyc 7002 Firmware | All | All | All | All |
| Hardware | Amd | Epyc 7003 | - | All | All | All |
| Operating System | Amd | Epyc 7003 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 7252 | - | All | All | All |
| Operating System | Amd | Epyc 7252 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 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 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 7352 | - | All | All | All |
| Operating System | Amd | Epyc 7352 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 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 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 74f3 | - | All | All | All |
| Operating System | Amd | Epyc 74f3 Firmware | All | 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 | 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 7552 | - | All | All | All |
| Operating System | Amd | Epyc 7552 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 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 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 /t52 Firmware | All | All | All | All |
| Hardware | Amd | Epyc 7f72 | - | All | All | All |
| Operating System | Amd | Epyc 7f72 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 3300g | - | All | All | All |
| Operating System | Amd | Ryzen 3 3300g 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 3 5400u | - | All | All | All |
| Operating System | Amd | Ryzen 3 5400u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 3 5425u | - | All | All | All |
| Operating System | Amd | Ryzen 3 5425u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5300g | - | All | All | All |
| Hardware | Amd | Ryzen 5300ge | - | All | All | All |
| Operating System | Amd | Ryzen 5300ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen 5300g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5600g | - | All | All | All |
| Hardware | Amd | Ryzen 5600ge | - | All | All | All |
| Operating System | Amd | Ryzen 5600ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen 5600g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5600x | - | All | All | All |
| Operating System | Amd | Ryzen 5600x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5700g | - | All | All | All |
| Hardware | Amd | Ryzen 5700ge | - | All | All | All |
| Operating System | Amd | Ryzen 5700ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen 5700g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5800x | - | All | All | All |
| Hardware | Amd | Ryzen 5800x3d | - | All | All | All |
| Operating System | Amd | Ryzen 5800x3d Firmware | - | All | All | All |
| Operating System | Amd | Ryzen 5800x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5900x | - | All | All | All |
| Operating System | Amd | Ryzen 5900x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5950x | - | All | All | All |
| Operating System | Amd | Ryzen 5950x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5 3400g | - | All | All | All |

| | | | | | | |
|------------------|-----|-------------------------|---|-----|-----|-----|
| Operating System | Amd | Ryzen 5 3400g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5 3450g | - | All | All | All |
| Operating System | Amd | Ryzen 5 3450g Firmware | - | 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 |
| Operating System | Amd | Ryzen 5 3600 Firmware | - | 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 |
| Operating System | Amd | Ryzen 5 5600h Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5 5600u | - | All | All | All |
| Operating System | Amd | Ryzen 5 5600u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5 5600x | - | All | All | All |
| Operating System | Amd | Ryzen 5 5600x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 5 5625u | - | All | All | All |
| Operating System | Amd | Ryzen 5 5625u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 7 3700x | - | All | All | All |
| Operating System | Amd | Ryzen 7 3700x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 7 3800x | - | All | All | All |
| Operating System | Amd | Ryzen 7 3800x Firmware | - | 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 |
| Operating System | Amd | Ryzen 7 5800h Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 7 5800u | - | All | All | All |
| Operating System | Amd | Ryzen 7 5800u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 7 5825u | - | All | All | All |
| Operating System | Amd | Ryzen 7 5825u Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 9 3900x | - | All | All | All |
| Operating System | Amd | Ryzen 9 3900x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 9 3950x | - | All | All | All |
| Operating System | Amd | Ryzen 9 3950x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 9 5900hs | - | All | All | All |
| Operating System | Amd | Ryzen 9 5900hs Firmware | - | All | All | All |

| | | | | | | |
|------------------|-----|-----------------------------------|---|-----|-----|-----|
| Hardware | Amd | Ryzen 9 5900hx | - | All | All | All |
| Operating System | Amd | Ryzen 9 5900hx Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 9 5980hs | - | All | All | All |
| Operating System | Amd | Ryzen 9 5980hs Firmware | - | All | All | All |
| Hardware | Amd | Ryzen 9 5980hx | - | All | All | All |
| Operating System | Amd | Ryzen 9 5980hx Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3200g | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3200ge | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3200ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3200g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3350g | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3350g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3400g | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3400ge | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3400ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3400g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3600 | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3600 Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3700 | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3700 Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 3900 | - | All | All | All |
| Operating System | Amd | Ryzen Pro 3900 Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5350g | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5350ge | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5350ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5350g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5650g | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5650ge | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5650ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5650g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5750g | - | All | All | All |
| Hardware | Amd | Ryzen Pro 5750ge | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5750ge Firmware | - | All | All | All |
| Operating System | Amd | Ryzen Pro 5750g Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Threadripper 2920x | - | All | All | All |
| Operating System | Amd | Ryzen Threadripper 2920x Firmware | - | All | All | All |

| | | | | | | |
|------------------|---------------------|--------------------------------------------------------|---|-----|-----|-----|
| Operating System | Amd | Ryzen Threadripper 2920x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Threadripper 2950x | - | All | All | All |
| Operating System | Amd | Ryzen Threadripper 2950x Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Threadripper 2970wx | - | All | All | All |
| Operating System | Amd | Ryzen Threadripper 2970wx Firmware | - | All | All | All |
| Hardware | Amd | Ryzen Threadripper 2990wx | - | All | All | All |
| Operating System | Amd | Ryzen Threadripper 2990wx Firmware | - | 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 |
| 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 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------|------|
| AMD Server Vulnerabilities – November 2021 AMD | MISC | www.amd.com | |
| www.amd.com/en/corporate/product-security/bulletin/amd-sb-1027 | 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.

© [CVE.report](http://cve.report) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](http://mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](http://mitre.org/cve). This site includes MITRE data granted under the following [license](http://mitre.org/cve).

CVE.report and Source URL Uptime Status status.cve.report