



# CVE-2023-20524

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

## Summary

<b>CVE</b>	CVE-2023-20524
<b>State</b>	PUBLIC
<b>Assigner</b>	psirt@amd.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-05-09 19:15:00 UTC
<b>Updated</b>	2023-05-22 15:44:00 UTC
<b>Description</b>	An attacker with a compromised ASP could possibly send malformed commands to an ASP on another CPU, resulting in ar

## 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="#">Epyc 7232p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7232p Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7252</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7252 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7262</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7262 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7272</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7272 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7282</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7282 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 72f3</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 72f3 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7302p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7302p Firmware</a>	romeapi_1.0.0.c	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7302 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7313</a>	-	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7313p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7313p Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7313 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7343</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7343 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7352</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7352 Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7373x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7373x Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 73f3</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 73f3 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7402</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7402p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7402p Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7402 Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7413</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7413 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7443</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7443p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7443p Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7443 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7452</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7452 Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7453</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7453 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7473x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7473x Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 74f3</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 74f3 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7502</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7502p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7502p Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7502 Firmware</a>	<a href="#">romeapi_1.0.0.c</a>	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7513</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7513 Firmware</a>	<a href="#">milanpi_1.0.0.5</a>	All	All	All

Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7532</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7532 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7542</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7542 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7543</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7543p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7543p Firmware</a>	milanpi_1.0.0.5	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7543 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7552</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7552 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7573x</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7573x Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 75f3</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 75f3 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7642</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7642 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7643</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7643 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7662</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7662 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7663</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7663 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7702</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7702p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7702p Firmware</a>	romeapi_1.0.0.c	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7702 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7713</a>	-	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7713p</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7713p Firmware</a>	milanpi_1.0.0.5	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7713 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7742</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7742 Firmware</a>	romeapi_1.0.0.c	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7763</a>	-	All	All	All
Operating System	<a href="#">Amd</a>	<a href="#">Epyc 7763 Firmware</a>	milanpi_1.0.0.5	All	All	All
Hardware	<a href="#">Amd</a>	<a href="#">Epyc 7773x</a>	-	All	All	All

Operating System	Amd	Epyc 7773x Firmware	milanpi_1.0.0.b	All	All	All
Hardware	Amd	Epyc 7f32	-	All	All	All
Operating System	Amd	Epyc 7f32 Firmware	romepi_1.0.0.c	All	All	All
Hardware	Amd	Epyc 7f52	-	All	All	All
Operating System	Amd	Epyc 7f52 Firmware	romepi_1.0.0.c	All	All	All
Hardware	Amd	Epyc 7f72	-	All	All	All
Operating System	Amd	Epyc 7f72 Firmware	romepi_1.0.0.c	All	All	All
Hardware	Amd	Epyc 7h12	-	All	All	All
Operating System	Amd	Epyc 7h12 Firmware	romepi_1.0.0.c	All	All	All

## References

Reference	Source	Link	Tags
<a href="http://www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3001">www.amd.com/en/corporate/product-security/bulletin/AMD-SB-3001</a>	MISC	<a href="http://www.amd.com">www.amd.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

© [CVE.report](https://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](https://www.mitre.org) and the authoritative source of CVE content is [MITRE's CVE web site](https://www.mitre.org/cve). This site includes MITRE data granted under the following [license](https://www.mitre.org/cve).

**Free CVE JSON API** [cve.report/api](https://cve.report/api)

**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)