



# io: proximity: hx9023s: Protect against division by zero in set\_samp\_freq

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## Summary

<b>CVE</b>	CVE-2026-43354
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-05-08 15:16:46 UTC
<b>Updated</b>	2026-05-12 14:10:27 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: io: proximity: hx9023s: Protect against division by zero in

## Risk And Classification

**EPSS:** 0.000180000 probability, percentile 0.047270000 (date 2026-05-12)

## Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 60df548277b7281171f51b87b214ab6717fc6101 451ec5e67444f8460f9706a1bde146b5bbc86ce6 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 60df548277b7281171f51b87b214ab6717fc6101 ad9da7d39cecd3e92f54149ea0ebca390f33fe69 git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 60df548277b7281171f51b87b214ab6717fc6101 739df6e65678d8e5dcf59496c56b32ab3ba3dbaa git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 60df548277b7281171f51b87b214ab6717fc6101 a318cfc0853706f1d6ce682dba660bc455d674ef git
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	affected 6.12
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.12 semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.12.78 6.12.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.18.19 6.18.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 6.19.9 6.19.* semver
CNA	<a href="#">Linux</a>	<a href="#">Linux</a>	unaffected 7.0 * original_commit_for_fix

## References

Reference	Source	Link	Tags
git.kernel.org/stable/c/a318cfc0853706f1d6ce682dba660bc455d674ef	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="#">git.kernel.org</a>	
git.kernel.org/stable/c/739df6e65678d8e5dcf59496c56b32ab3ba3dbaa	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="#">git.kernel.org</a>	
git.kernel.org/stable/c/451ec5e67444f8460f9706a1bde146b5bbc86ce6	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="#">git.kernel.org</a>	

git.kernel.org/stable/c/ad9da7d39cecd3e92f54149ea0ebca390f33fe69	416baaa9-dc9f-4396-8d5f-8c081fb06d67	git.kernel.org
CVE Program record	CVE.ORG	www.cve.org canonica
NVD vulnerability detail	NVD	nvd.nist.gov canonica

No vendor comments have been submitted for this CVE.

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

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