



# fbdev: core: fbcvt: avoid division by 0 in fb\_cvt\_hperiod()

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

## Summary

<b>CVE</b>	CVE-2025-38312
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2025-07-10 08:15:30 UTC
<b>Updated</b>	2026-05-12 13:16:47 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: fbdev: core: fbcvt: avoid division by 0 in fb\_cvt\_hperiod() I

## Risk And Classification

**Primary CVSS:** v3.1 5.5 MEDIUM from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

**Problem Types:** CWE-369

## CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

## Vendor Declared Affected Products

Source	Vendor	Product	Version
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 9027ce4c037
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 610f247f277;
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 2d63433e8e;
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 5494753066;
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a ab91647acdf
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a b235393b9f4
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 53784073cb;
CNA	Linux	Linux	affected 96fe6a2109db29cd15b90a093c16e6cb4b19371a 3f6dae09fc8
CNA	Linux	Linux	affected 2.6.14
CNA	Linux	Linux	unaffected 2.6.14 semver
CNA	Linux	Linux	unaffected 5.4.295 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.239 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.186 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.142 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.94 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.34 6.12.* semver
CNA	Linux	Linux	unaffected 6.15.3 6.15.* semver
CNA	Linux	Linux	unaffected 6.16 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIMATIC S7-1500 CPU 1518F-4 PN/DP MFP	affected V3.1.5 * custom
ADP	Siemens	SIPLUS S7-1500 CPU 1518-4 PN/DP MFP	affected V3.1.5 * custom

## References

Reference	Source	Link
git.kernel.org/stable/c/2d63433e8eaa3c91b2948190e395bc67009db0d9	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
lists.debian.org/debian-lts-announce/2025/10/msg00008.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
cert-portal.siemens.com/productcert/html/ssa-082556.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com">cert-portal.siemens.com</a>

<a href="https://git.kernel.org/stable/c/53784073cbad18f75583fd3da9ffdfc4d1f05405">git.kernel.org/stable/c/53784073cbad18f75583fd3da9ffdfc4d1f05405</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/b235393b9f43ff86a38ca2bde6372312ea215dc5">git.kernel.org/stable/c/b235393b9f43ff86a38ca2bde6372312ea215dc5</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/ab91647acdf43b984824776559a452212eaeb21a">git.kernel.org/stable/c/ab91647acdf43b984824776559a452212eaeb21a</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/610f247f2772e4f92b63442125a1b7ade79898d8">git.kernel.org/stable/c/610f247f2772e4f92b63442125a1b7ade79898d8</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/9027ce4c037b566b658b8939a76326b7125e3627">git.kernel.org/stable/c/9027ce4c037b566b658b8939a76326b7125e3627</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/54947530663edcbaaee1314c01fdd8c72861b124">git.kernel.org/stable/c/54947530663edcbaaee1314c01fdd8c72861b124</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://lists.debian.org/debian-lts-announce/2025/10/msg00007.html">lists.debian.org/debian-lts-announce/2025/10/msg00007.html</a>	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.org</a>
<a href="https://git.kernel.org/stable/c/3f6dae09fc8c306eb70dfef70726e1f154e173a">git.kernel.org/stable/c/3f6dae09fc8c306eb70dfef70726e1f154e173a</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

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

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