



# USB: hub: Ignore non-compliant devices with too many configs or interfaces

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

## Summary

<b>CVE</b>	CVE-2025-21776
<b>State</b>	PUBLISHED
<b>Assigner</b>	Linux
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2025-02-27 03:15:18 UTC
<b>Updated</b>	2026-05-12 13:16:36 UTC

**Description** In the Linux kernel, the following vulnerability has been resolved: USB: hub: Ignore non-compliant devices with too many cc

## 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-476

## 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 d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 49f077
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 d343fe
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 d3a67e
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 c3720b
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 e905a0
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 62d8f4
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 5b977e
CNA	Linux	Linux	affected d2123fd9e1a56b8006986ed37e0aaf93ef0dd978 2240fe
CNA	Linux	Linux	affected 3.9
CNA	Linux	Linux	unaffected 3.9 semver
CNA	Linux	Linux	unaffected 5.4.291 5.4.* semver
CNA	Linux	Linux	unaffected 5.10.235 5.10.* semver
CNA	Linux	Linux	unaffected 5.15.179 5.15.* semver
CNA	Linux	Linux	unaffected 6.1.129 6.1.* semver
CNA	Linux	Linux	unaffected 6.6.79 6.6.* semver
CNA	Linux	Linux	unaffected 6.12.16 6.12.* semver
CNA	Linux	Linux	unaffected 6.13.4 6.13.* semver
CNA	Linux	Linux	unaffected 6.14 * original_commit_for_fix
ADP	Siemens	SIMATIC S7-1500 TM MFP - BIOS	affected * custom
ADP	Siemens	SIMATIC S7-1500 TM MFP - GNU/Linux Subsystem	affected * custom

## References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/05/msg00030.html	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org/debian-lts-announce/2025/05/msg00030.html">lists.debian.org</a>
cert-portal.siemens.com/productcert/html/ssa-503939.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com/productcert/html/ssa-503939.html">cert-portal.siemens.com</a>
git.kernel.org/stable/c/49f077106fa07919a6a6dda99bb490dd1d1a8218	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/49f077106fa07919a6a6dda99bb490dd1d1a8218">git.kernel.org</a>
git.kernel.org/stable/c/d343fe0fad5c1d689775f2dda24a85ce98e29566	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/d343fe0fad5c1d689775f2dda24a85ce98e29566">git.kernel.org</a>
cert-portal.siemens.com/productcert/html/ssa-265688.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	<a href="https://cert-portal.siemens.com/productcert/html/ssa-265688.html">cert-portal.siemens.com</a>
git.kernel.org/stable/c/e905a0fca7bff0855d312c16f71e60e1773b393e	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org/stable/c/e905a0fca7bff0855d312c16f71e60e1773b393e">git.kernel.org</a>

<a href="https://git.kernel.org/stable/c/5b9778e1fe715700993ce436c152dc3b7df0b490">git.kernel.org/stable/c/5b9778e1fe715700993ce436c152dc3b7df0b490</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/c3720b04df84b5459050ae4e03ec7d545652f897">git.kernel.org/stable/c/c3720b04df84b5459050ae4e03ec7d545652f897</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/d3a67adb365cdfdac4620daf38a82e57ca45806c">git.kernel.org/stable/c/d3a67adb365cdfdac4620daf38a82e57ca45806c</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/2240fed37afbcbd5e8b627bc7ad986891100e05d">git.kernel.org/stable/c/2240fed37afbcbd5e8b627bc7ad986891100e05d</a>	416baaa9-dc9f-4396-8d5f-8c081fb06d67	<a href="https://git.kernel.org">git.kernel.org</a>
<a href="https://git.kernel.org/stable/c/62d8f4c5454dd39aded4f343720d1c5a1803cfef">git.kernel.org/stable/c/62d8f4c5454dd39aded4f343720d1c5a1803cfef</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/2025/03/msg00028.html">lists.debian.org/debian-lts-announce/2025/03/msg00028.html</a>	af854a3a-2127-422b-91ae-364da2661108	<a href="https://lists.debian.org">lists.debian.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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