



CVE-2024-57256

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f_img.jpg\)](#)

Summary

CVE	CVE-2024-57256
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-02-18 23:15:09 UTC
Updated	2026-05-12 13:16:22 UTC
Description	An integer overflow in ext4fs_read_symlink in Das U-Boot before 2025.01-rc1 occurs for zalloc (adding one to an le32 varia

Risk And Classification

Primary CVSS: v3.1 6.8 MEDIUM from nvd@nist.gov

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

EPSS: 0.000610000 probability, percentile 0.190500000 (date 2026-05-12)

Problem Types: CWE-190 | CWE-190 CWE-190 Integer Overflow or Wraparound

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	6.8	MEDIUM	CVSS:3.1/AV:P/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	cve@mitre.org	Secondary	7.1	HIGH	CVSS:3.1/AV:P/AC:H/PR:N/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	7.1	HIGH	CVSS:3.1/AV:P/AC:H/PR:N/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Physical

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Denx	U-boot	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Denx	U-Boot	affected 2025.01-rc1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX MX5000	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX MX5000RE	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1400	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1500	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1501	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1510	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1511	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1512	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1524	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX1536	affected V2.17.1 custom	Not specified
ADP	Siemens	RUGGEDCOM ROX RX5000	affected V2.17.1 custom	Not specified

References

Reference	Source	Link
lists.debian.org/debian-lts-announce/2025/05/msg00001.html	af854a3a-2127-422b-91ae-364da2661108	lists.d
source.denx.de/u-boot/u-boot/-/commit/35f75d2a46e5859138c83a75cd2f4141c5479ab9	cve@mitre.org	sourc
cert-portal.siemens.com/productcert/html/ssa-577017.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert-p
www.openwall.com/lists/oss-security/2025/02/17/2	cve@mitre.org	www.
CVE Program record	CVE.ORG	www.
NVD vulnerability detail	NVD	nvd.n

No vendor comments have been submitted for this CVE.

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

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