



CVE-2024-57258

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

Summary

CVE	CVE-2024-57258
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 13:16:23 UTC
Description	Integer overflows in memory allocation in Das U-Boot before 2025.01-rc1 occur for a crafted squashfs filesystem via sbrk, v

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

EPSS: 0.000540000 probability, percentile 0.169190000 (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	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/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

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/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
source.denx.de/u-boot/u-boot/-/commit/8642b2178d2c4002c99a0b69a845a48f2ae2706f	cve@mitre.org	source
source.denx.de/u-boot/u-boot/-/commit/0a10b49206a29b4aa2f80233a3e53ca0466bb0b3	cve@mitre.org	source
cert-portal.siemens.com/productcert/html/ssa-577017.html	0b142b55-0307-4c5a-b3c9-f314f3fb7c5e	cert
www.openwall.com/lists/oss-security/2025/02/17/2	cve@mitre.org	www
source.denx.de/u-boot/u-boot/-/commit/c17b2a05dd50a3ba437e6373093a0d6a359cdee0	cve@mitre.org	source
CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd

No vendor comments have been submitted for this CVE.

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

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