



exFat Memory Corruption Issue

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

Summary

CVE	CVE-2025-33044
State	PUBLISHED
Assigner	AMI
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-10-14 14:15:49 UTC
Updated	2026-04-29 01:00:01 UTC
Description	APTIOV contains a vulnerability in BIOS where an attacker may cause an Improper Restriction of Operations within the Bou

Risk And Classification

Primary CVSS: v4.0 5.9 MEDIUM from biossecurity@ami.com

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-119 | CWE-119 CWE-119 Improper Restriction of Operations within the Bounds of a Memory Buffer

Version	Source	Type	Score	Severity	Vector
4.0	biossecurity@ami.com	Secondary	5.9	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:H/VA:H/SC:N/SI:N/SA:N/E::
4.0	CNA	CVSS	5.8	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:H/VA:H/SC:N/SI:N/SA:N
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

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

Low
 Integrity
 High
 Availability
 High
 Sub Conf.
 None
 Sub Integrity
 None
 Sub Availability
 None

CVSS:4.0/AV:L/AC:L/AT:P/PR:L/UI:N/VC:L/VI:H/VA:H/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

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
Operating System	Ami	Aptio V	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	AMI	AptioV	affected AptioV_5.0 AptioV_5.040 Custom	Not specified

References

Reference	Source	Link	Tags
go.ami.com/hubfs/Security%20Advisories/2025/AMI-SA-2025008.pdf	biossecurity@ami.com	go.ami.com	Vendor Advisory
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Maxim Suhanov (en)

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

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